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PROJECT DETAILS

Washington DC VA Medical Center  
North Parking Garage Expansion  
• Group S-2 Open Parking Garage above the existing S-2 Enclosed Parking Garage  
• Additional two and a half tiers to the existing three-tier structure  
• The structure is designed for future expansion.  
• Construction type IIB over existing construction type IB

APPLICABLE CODES

- International Building Code (IBC) 2012
- NFPA 101 Life Safety Code 2012
- NFPA National Fire Codes with the exception of 5000 and NFPA 900
- International Plumbing Code 2012
- Energy Policy Act of 2005
- VA Parking Design Manual Part III

CODE REQUIREMENTS	REFERENCE	ALLOWABLE OR REQUIRED	PROVIDED	COMMENTS
BUILDING USE GROUPS	311.3	LOW-HAZARD STORAGE, GROUP S-2		
PUBLIC PARKING GARAGES	406.4	PUBLIC PARKING GARAGES		
CLEAR HEIGHT	VA DESIGN MANUAL PART III	8'-4" MIN. AT ALL LOCATIONS OF EXPANSION PER VA GUIDELINES	COMPLY AS REQUIRED	
GUARDS	406.4.2	SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 1013	3'-6" PEDESTRIAN GUARD	PER SECTION 1013 (VERTICAL DISTANCE BETWEEN PARKING SURFACE AND GRADE EXCEEDS 30 INCHES)
VEHICLE BARRIERS	406.4.3	2'-9" MIN. VEHICLE GUARDS REQUIRED	3'-6" HIGH BARRIER	WHERE DIFFERENCE IN FLOOR ELEVATION 1FT. BARRIER COMPLYING WITH LOADING SECTION 1607.8.3
RAMP	406.4.4	1:15 (6.67%) MAX. SLOPE FOR PARKING	VARIES, COMPLY AS REQUIRED	
		5.6% MAX. SLOPE FOR PARKING PARKING	VARIES, COMPLY AS REQUIRED	PER SECTION 7-2
FLOOR SURFACE	406.4.5	SLOPED CONCRETE FOR DRAINAGE	SLOPED CONCRETE	
OPEN PARKING GARAGES	406.5	OPEN PARKING GARAGES		
CONSTRUCTION	406.5.1	MUST BE OF I, II, OR IV	CONSTRUCTION TYPE IIB	SEE SECTION 510.3
OPENINGS	406.5.2	SHALL HAVE UNIFORMLY DISTRIBUTED OPENINGS ON TWO OR MORE SIDES. OPENINGS IN EXTERIOR WALLS ON A TIER SHALL BE NOT LESS THAN 20% OF THE TOTAL PERIMETER WALL AREA OF EACH TIER. THE AGGREGATE LENGTH OF THE OPENINGS SHALL BE NOT LESS THAN 40% OF THE PERIMETER OF THE TIER.	OPENNESS PER 406.5.2	
SINGLE USE	406.5.4.1	COMPLY WITH TABLE 406.5.4 (50,000 FT² AND 8 TIERS)	41,810 FT² MAX. 4 TIERS	
FIRE SEPARATION DISTANCE	406.5.6	EXTERIOR WALLS AND OPENINGS IN EXTERIOR WALLS SHALL COMPLY WITH TABLES 601 AND 602.	COMPLY AS REQUIRED	
MEANS OF EGRESS	406.5.7	MIN. TWO EXIT STAIRWAYS. EACH EXIT STAIRWAY SHALL BE NOT LESS THAN 36" IN WIDTH.	COMPLY AS REQUIRED	
STANDPIPE SYSTEM	406.5.8	SHALL BE EQUIPPED WITH A STANDPIPE SYSTEM AS REQUIRED BY SECTION 905.3.	COMPLY AS REQUIRED	
VENTILATION	406.5.10	NONE OTHER THAN PERCENTAGE REQUIRED FOR 406.5.2.		
OPEN PARKING STRUCTURES	NFPA 101 42.8.1.3.1	EACH PARKING LEVEL SHALL HAVE WALL OPENING OPEN TO THE ATMOSPHERE FOR AN AREA OF NOT LESS THAN 1.4FT² FOR EACH LINEAR FOOT OF ITS EXTERIOR PERIMETER.	*SHALL BE PROVIDED	
CLASSIFICATION OF HAZARD OF CONTENTS	NFPA 101 42.8.1.5	PARKING STRUCTURES USED ONLY FOR STORAGE OF VEHICLES SHALL BE CLASSIFIED AS ORDINARY HAZARD IN ACCORDANCE WITH SECTION 6.2		
SPECIAL PROVISIONS	510			
GROUP S-2 ENCLOSED PARKING GARAGE WITH GROUP S-2 OPEN PARKING GARAGE ABOVE	510.3	A GROUP S-2 ENCLOSED PARKING GARAGE WITH NOT MORE THAN ONE STORY ABOVE GRADE PLANE AND LOCATED BELOW A GROUP S-2 OPEN PARKING GARAGE SHALL BE CLASSIFIED AS A SEPARATE AND DISTINCT BUILDING FOR THE PURPOSE OF DETERMINING THE TYPE OF CONSTRUCTION WHERE ALL OF THE FOLLOWING CONDITIONS ARE MET:		
	CONDITION 1	THE ALLOWABLE AREA OF THE BUILDING SHALL BE SUCH THAT THE SUM OF THE RATIOS OF THE ACTUAL AREA DIVIDED BY THE ALLOWABLE AREA FOR EACH SEPARATE OCCUPANCY SHALL NOT EXCEED 1.	THE CONDITION IS MET.	
	CONDITION 2	THE GROUP S-2 ENCLOSED PARKING GARAGE IS OF TYPE I OR II CONSTRUCTION AND IS AT LEAST EQUAL TO THE FIRE-RESISTANCE REQUIREMENTS OF THE GROUP S-2 OPEN PARKING GARAGE.	THE CONDITION IS MET.	
	CONDITION 3	THE HEIGHT AND THE NUMBER OF TIERS OF THE GROUP S-2 OPEN PARKING GARAGE SHALL BE LIMITED AS SPECIFIED IN TABLE 406.5.4.	THE CONDITION IS MET.	
	CONDITION 4	THE FLOOR ASSEMBLY SEPARATING THE GROUP S-2 ENCLOSED PARKING GARAGE AND GROUP S-2 OPEN PARKING GARAGE SHALL BE PROTECTED AS REQUIRED FOR THE FLOOR ASSEMBLY OF THE GROUP S-2 ENCLOSED PARKING GARAGE. OPENINGS BETWEEN THE GROUP S-2 ENCLOSED PARKING GARAGE AND GROUP S-2 OPEN PARKING GARAGE, EXCEPT EXIT OPENINGS, SHALL NOT BE REQUIRED TO BE PROTECTED.	THE CONDITION IS MET.	EGRESS STAIRS SHARED BY BOTH USES SHALL BE FULLY ENCLOSED AND PROTECTED.
	CONDITION 5	THE GROUP S-2 ENCLOSED PARKING GARAGE IS USED EXCLUSIVELY FOR THE PARKING OR STORAGE OF PRIVATE MOTOR VEHICLES, BUT SHALL BE PERMITTED TO CONTAIN AN OFFICE, WAITING ROOM AND TOILET ROOM HAVING A TOTAL AREA OF NOT MORE THAN 1,000 SQUARE FEET, AND MECHANICAL EQUIPMENTAL ROOMS INCIDENTAL TO THE OPERATION OF THE BUILDING.	THE CONDITION IS MET.	
CONSTRUCTION TYPE	602	TYPE II B, NONCOMBUSTIBLE	COMPLY AS REQUIRED	
FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS	TABLE 601			
L PRIMARY STRUCTURAL FRAME		0 HOUR	COMPLY AS REQUIRED	
L BEARING WALLS EXTERIOR		0 HOUR	COMPLY AS REQUIRED	
L BEARING WALLS INTERIOR		0 HOUR	COMPLY AS REQUIRED	
L NONBEARING WALLS AND INTERIOR		0 HOUR	COMPLY AS REQUIRED	
L FLOOR & SECONDARY MEMBERS		0 HOUR	COMPLY AS REQUIRED	
L ROOF & SECONDARY MEMBERS		0 HOUR	COMPLY AS REQUIRED	
FIRE-RESISTANCE RATINGS	703.2			SHALL BE DETERMINED IN ACCORDANCE WITH THE TEST PROCEDURE SET FORTH IN ASTM E 119 OR UL 263 OR IN ACCORDANCE WITH SECTION 703.3.
FIRE-RESISTANCE RATINGS, EXTERIOR WALLS	705.5	F.S.D. GREATER THAN 10 FEET SHALL BE RATED FROM INSIDE. F.S.D. LESS THAN OR EQUAL TO 10 FEET SHALL BE RATED FROM BOTH SIDES		
ALLOWABLE OPENINGS-UNPROTECTED, NONSPRINKLERED	TABLE 705.8	0 < 3 FEET: NOT PERMITTED, 3 FEET < 5 FEET: NOT PERMITTED, 5 FEET < 10 FEET: 10%, 10FEET < 15 FEET: 15%		EXCEPTION G. OPEN PARKING STRUCTURE WITH A FIRE SEPARATION DISTANCE OF 10 FT OR GREATER SHALL NOT BE LIMITED.
VERTICAL SEPARATION OF OPENINGS	705.8.5	NOT REQUIRED		PER EXCEPTION 3, NOT REQUIRED IF OPEN PARKING GARAGE
JOINTS	705.9	FIRE RATING NOT REQUIRED		PER EXCEPTION, JOINTS IN EXTERIOR WALLS PERMITTED TO HAVE UNPROTECTED OPENINGS
DUCTS AND AIR TRANSFER OPENINGS	705.10	PER SECTION 717	SEE MECHANICAL DRAWINGS	
PARAPETS	705.11	NOT REQUIRED		PER EXCEPTION 3, NOT REQUIRED IF WALLS THAT TERMINATE AT ROOFS OF NOT LESS THAN 2-HOUR FIRE-RESISTANCE-RATED CONSTRUCTION
VERTICAL OPENINGS	712			VERTICAL OPENINGS ARE PERMITTED IN 712.1.9 PARKING GARAGE RAMP, 712.1.15 ELEVATOR HOISTWAYS SERVING ONLY THE PARKING GARAGE
FIRE-RESISTANCE RATING	713.4	SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING OF NOT LESS THAN 2 HOURS WHERE CONNECTING FOUR STORIES OR MORE. SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING NOT LESS THAN THE FLOOR ASSEMBLY PENETRATED, BUT NEED NOT EXCEED 2 HOURS	2 HOURS PROVIDED AT STAIRWAY ENCLOSURES	
ELEVATOR LOBBY	713.14.1	NOT REQUIRED		PER EXCEPTION 7, ENCLOSED ELEVATOR LOBBIES ARE NOT REQUIRED WHERE ELEVATOR SERVING ONLY OPEN PARKING GARAGES
PENETRATIONS	714	REQUIRED	AS REQUIRED	PENETRATIONS SHALL BE INSTALLED AS TESTED IN AN APPROVED FIRE RESISTANCE-RATED ASSEMBLY
FIRE-RESISTANT JOINT SYSTEMS	715	NOT REQUIRED		PER EXCEPTION 5, FLOORS AND RAMPS WITHIN OPEN AND ENCLOSED PARKING GARAGES

CODE REQUIREMENTS	REFERENCE	ALLOWABLE OR REQUIRED	PROVIDED	COMMENTS
AUTOMATIC SPRINKLER SYSTEMS	903.2	APPROVED AUTOMATIC SPRINKLER SYSTEMS IN NEW BUILDINGS AND STRUCTURES SHALL BE PROVIDED IN LOCATIONS DESCRIBED IN SECTIONS 903.2.1 THROUGH 903.2.12		S-2 OPEN PARKING GARAGE OCCUPANCY NOT LISTED AS REQUIRING AN AUTOMATIC SPRINKLER SYSTEM
STANDPIPE SYSTEMS	905.3.1	REQUIRED - CLASS I (EXCEPTION 2)	AS REQUIRED	CLASS I MANUAL STANDPIPES ARE ALLOWED IN OPEN PARKING GARAGES WHERE THE HIGHEST FLOOR IS LOCATED NOT MORE THAN 150 FEET
LOCATION OF CLASS I STANDPIPE HOSE CONNECTIONS	905.4	STAIRWAYS (INTERMEDIATE LANDINGS)	AS REQUIRED	SHALL BE ACCESSIBLE AND LOCATED SO THAT ALL PORTIONS OF THE BUILDING ARE WITHIN 30 FEET OF A NOZZLE ATTACHED TO 100 FEET OF HOSE
PORTABLE FIRE EXTINGUISHERS	NFPA 101 42.8.1.5, TABLE 906.3(2)	CLASS B FIRE HAZARDS, ORDINARY (MODERATE) HAZARD OCCUPANCY, 20-B EXTINGUISHER	COMPLY AS REQUIRED SHOWN ON A.0.2	MAX. TRAVEL DISTANCE TO EXTINGUISHER: 50 FEET
	906.8	CABINETS SHALL NOT BE LOCKED	LOCKED CABINETS PROVIDED	EXCEPTION 1, WHERE PORTABLE EXTINGUISHERS SUBJECT TO MALICIOUS USE OR DAMAGE ARE PROVIDED WITH A MEANS OF READY ACCESS
	906.9.1	EXTINGUISHER < 40 LBS MOUNT WITH TOP NOT MORE THAN 5 FEET ABOVE THE FLOOR	AS REQUIRED	
FIRE ALARM SYSTEM	NFPA 101 42.8.3.4.1.2	NOT REQUIRED		OPEN PARKING STRUCTURES SHALL NOT BE REQUIRED TO HAVE A FIRE ALARM SYSTEM.
MEANS OF EGRESS	NFPA 101 7.2 & 42.2	MEANS OF EGRESS FOR BOTH NEW AND EXISTING BUILDING SHALL COMPLY WITH THE CHAPTER 7.2 AND 42.2		REFER TO CHAPTER 42.2 FOR MEANS OF EGRESS REQUIREMENTS SPECIFIC TO PARKING GARAGE OCCUPANCIES
OCCUPANT LOAD CALCULATION	TABLE 1004.1.2	PARKING GARAGES : 200 GROSS SF / OCCUPANTS	40,810 GSF / 200 = 205 OCCUPANTS	205 OCCUPANTS PER TIER (IN NFPA 101 TABLE 7.3.1.2, OCCUPANT LOAD FACTOR FOR STORAGE OCCUPANCIES IS NOT ASSIGNED)
EGRESS CAPACITY	NFPA 101 7.3.3			
L STAIRWAYS	NFPA 101 TABLE 7.3.3.1	TOTAL OCCUPANT LOAD X 0.3 INCHES	ENTERED AS DESIGNED INFO.	
L LEVEL COMPONENTS AND RAMP	NFPA 101 TABLE 7.3.3.1	TOTAL OCCUPANT LOAD X 0.2 INCHES	ENTERED AS DESIGNED INFO.	
STAIRS	NFPA 101 7.2.2			
MINIMUM NEW STAIR WIDTH	NFPA 101 TABLE 7.2.2.2.1.1 (B)	48 INCHES	COMPLY AS REQUIRED	AREA OF REFUGE NOT REQUIRED
MINIMUM & MAXIMUM HEIGHT OF RISERS	NFPA 101 TABLE 7.2.2.2.1.1 (a)	MIN. 4 INCHES & MAX. 7 INCHES	COMPLY AS REQUIRED	
MINIMUM TREAD DEPTH	NFPA 101 TABLE 7.2.2.2.1.1(a)	11 INCHES	COMPLY AS REQUIRED	
MINIMUM HEADROOM	NFPA 101 TABLE 7.2.2.2.1.1(a)	7 FEET 0 INCHES	COMPLY AS REQUIRED	
MAXIMUM HEIGHT BETWEEN LANDINGS	NFPA 101 TABLE 7.2.2.2.1.1(a)	12 FEET	COMPLY AS REQUIRED	
STAIR LANDING	NFPA 101 7.2.2.3.2	SHALL CONTINUE WITH NO DECREASE IN WIDTH ALONG THE DIRECTION OF EGRESS TRAVEL, NOT LESS THAN THE WIDTH OF THE STAIR	COMPLY AS REQUIRED	
GUARDS AND HANDRAILS	NFPA 101 7.2.2.4			
NEW HANDRAIL HEIGHT	NFPA 101 7.2.2.4.4.1	MIN. 34 INCHES & MAX. 38 INCHES	COMPLY AS REQUIRED	
NEW HANDRAIL CLEARANCE	NFPA 101 7.2.2.4.4.5	MIN. 2 1/4 INCHES BETWEEN THE HANDRAIL AND THE WALL TO WHICH IT IS FASTENED	COMPLY AS REQUIRED	
NEW HANDRAIL EXTENSION	NFPA 101 7.2.2.4.4.10	EXTEND HORIZONTALLY MIN. 12 INCHES BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR A DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER	COMPLY AS REQUIRED	
EXIT STAIR ILLUMINATION	NFPA 101 7.2.2.5.5.11	CONTINUOUSLY ILLUMINATED FOR AT LEAST 60 MINUTES PRIOR TO PERIODS WHEN THE BUILDING IS OCCUPIED. THE ILLUMINATION SHALL REMAIN ON WHEN THE BUILDING IS OCCUPIED. MIN. 1 FOOT-CANDLE AT THE WALKING SURFACE.	AS REQUIRED. SEE ELECTRICAL DRAWINGS	
GUARD HEIGHT	NFPA 101 7.2.2.4.5.2	MIN. 42 INCHES	COMPLY AS REQUIRED	
OPEN GUARDS	NFPA 101 7.2.2.4.5.3	INTERMEDIATE RAILS SUCH THAT A SPHERE IN 4 INCHES IN DIAMETER IS NOT ABLE TO PASS THROUGH ANY OPENING UP TO A HEIGHT OF 34 INCHES	COMPLY AS REQUIRED	
EMERGENCY POWER SUPPLY SYSTEM (EPSS)	NFPA 101 7.2.3.12	A TYPE 60, CLASS 2, LEVEL 2 EPSS SHALL BE PROVIDED THAN NFPA 110	AS REQUIRED. SEE ELECTRICAL DRAWINGS	
ACCESSIBLE MEANS OF EGRESS ELEVATORS	NFPA 101 7.5.4.1 NFPA 101 7.5.4.7	MIN. TWO ACCESSIBLE MEANS OF EGRESS MIN. ONE ELEVATOR AS AN ACCESSIBLE MEANS OF EGRESS WITH FOUR OR MORE STORIES ABOVE A STORY OF EXIT DISCHARGE	COMPLY AS REQUIRED COMPLY AS REQUIRED	
	VA DESIGN MANUAL PART III SECTION 7-16	PROVIDE TRACTION ELEVATORS, USE A MIN.4000 LB. CAB WITH 350 FPM SPEED OF OPERATION	COMPLY AS REQUIRED	
AREAS OF REFUGE	NFPA 101 42.8.2.2.9.2	NOT REQUIRED	COMPLY AS REQUIRED	IN OPEN-AIR PARKING STRUCTURES, THE AREA OF REFUGE REQUIREMENTS SHALL NOT APPLY
TRAVEL DISTANCE TO EXITS	NFPA 101 TABLE 42.8.2.6.1	300 FEET	COMPLY AS REQUIRED	SEE A0.2 FOR TRAVEL DISTANCE
ACCESSIBILITY REQUIREMENTS	VA DESIGN MANUAL PART III SECTION 4-4	5% OF TOTAL NUMBER OF PARKING TO BE ADA ACCESSIBLE. OF THE TOTAL ACCESSIBLE SPACES, 1 IN 6 SHOULD BE VAN ACCESSIBLE.	COMPLY AS REQUIRED	

4	100% Submission	2/16/15
3	95% Submission	8/28/14
2	65% Submission	8/07/14
1	35% Submission	4/15/14
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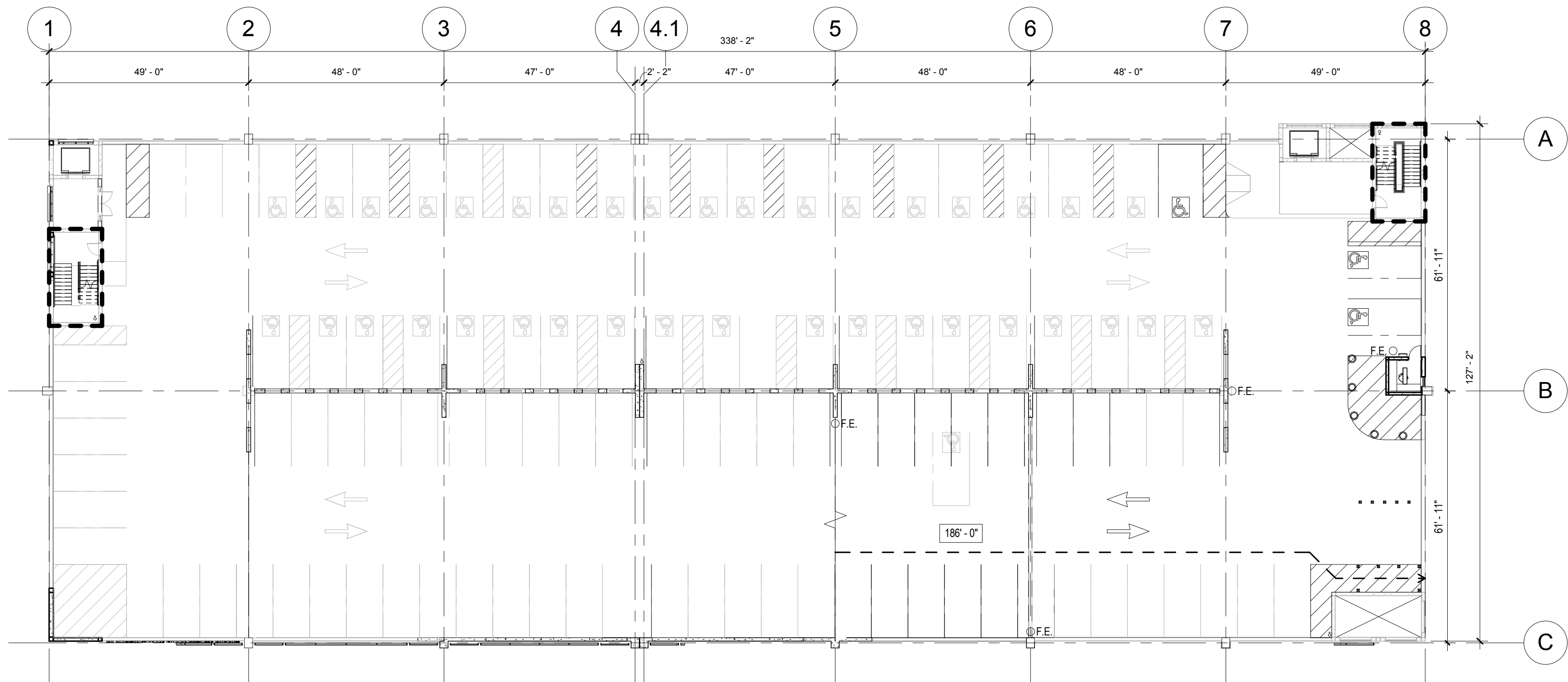

Drawing Title
CODE ANALYSIS
Approved: Project Director
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Project Title
VA MEDICAL CENTER EXPAND VISITOR/PATIENT PARKING GARAGE - PHASE 1
Location
50 IRVING ST. N.W. WASHINGTON, D.C.
Date
02/16/15
Checked
NCA
Drawn
MRC
Project Number
688-345
Building Number
-
Drawing Number
A0.1
Dwg. 13 of 89

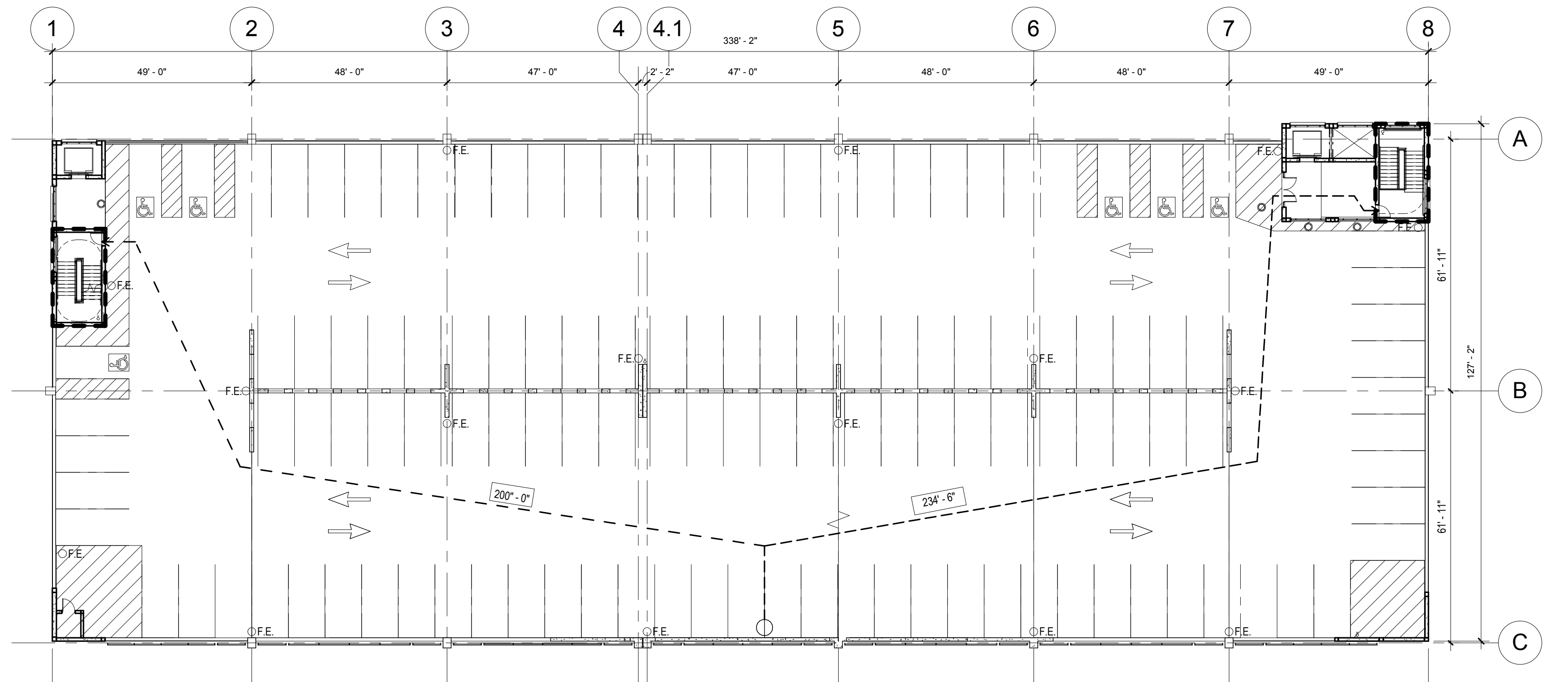
Office of Construction and Facilities Management
 Department of Veterans Affairs



one eighth inch = one foot  
one quarter inch = one foot  
three eighths inch = one foot  
one half inch = one foot  
three quarters inch = one foot  
one inch = one foot  
one and one half inches = one foot  
two inches = one foot  
three inches = one foot



01 GROUND TIER TRAVEL DISTANCE PLAN  
3/64" = 1'-0"

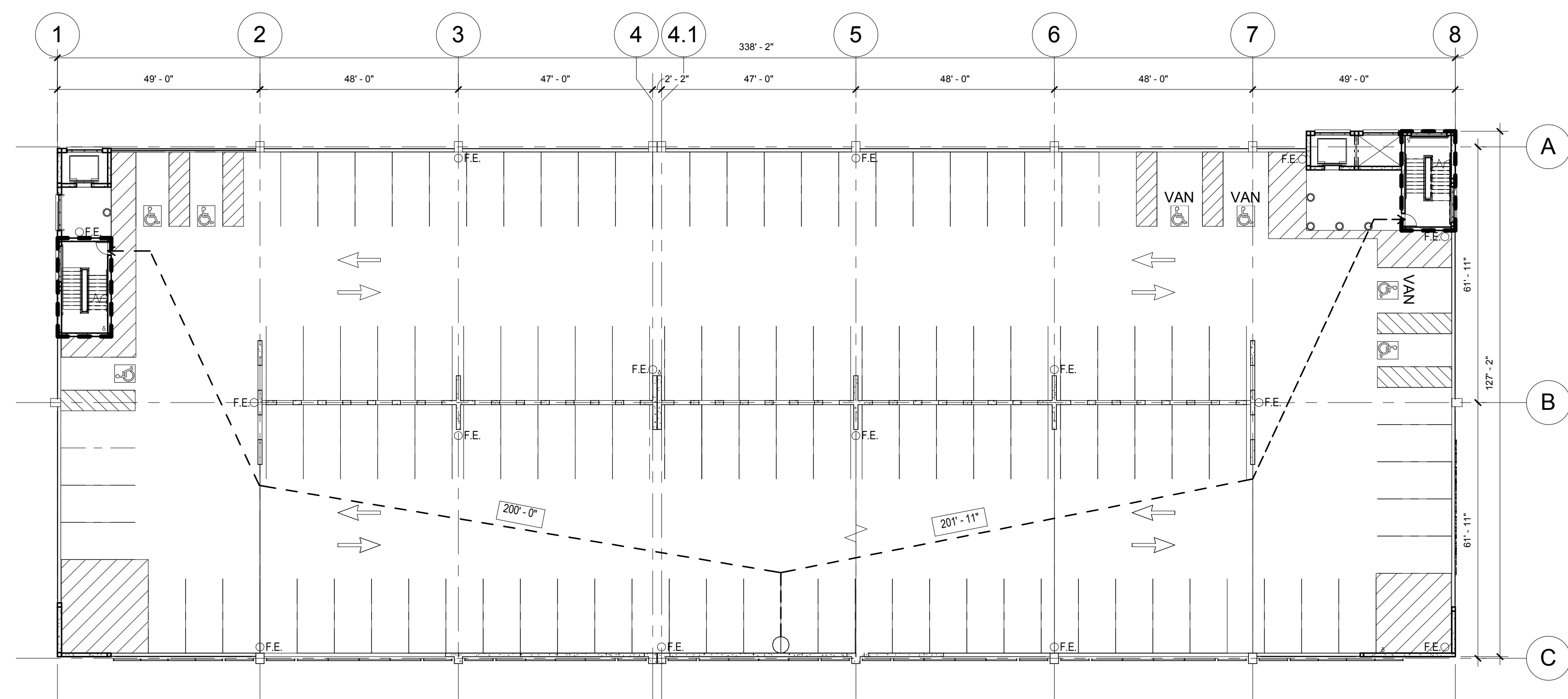


03 THIRD TIER TRAVEL DISTANCE PLAN  
3/64" = 1'-0"

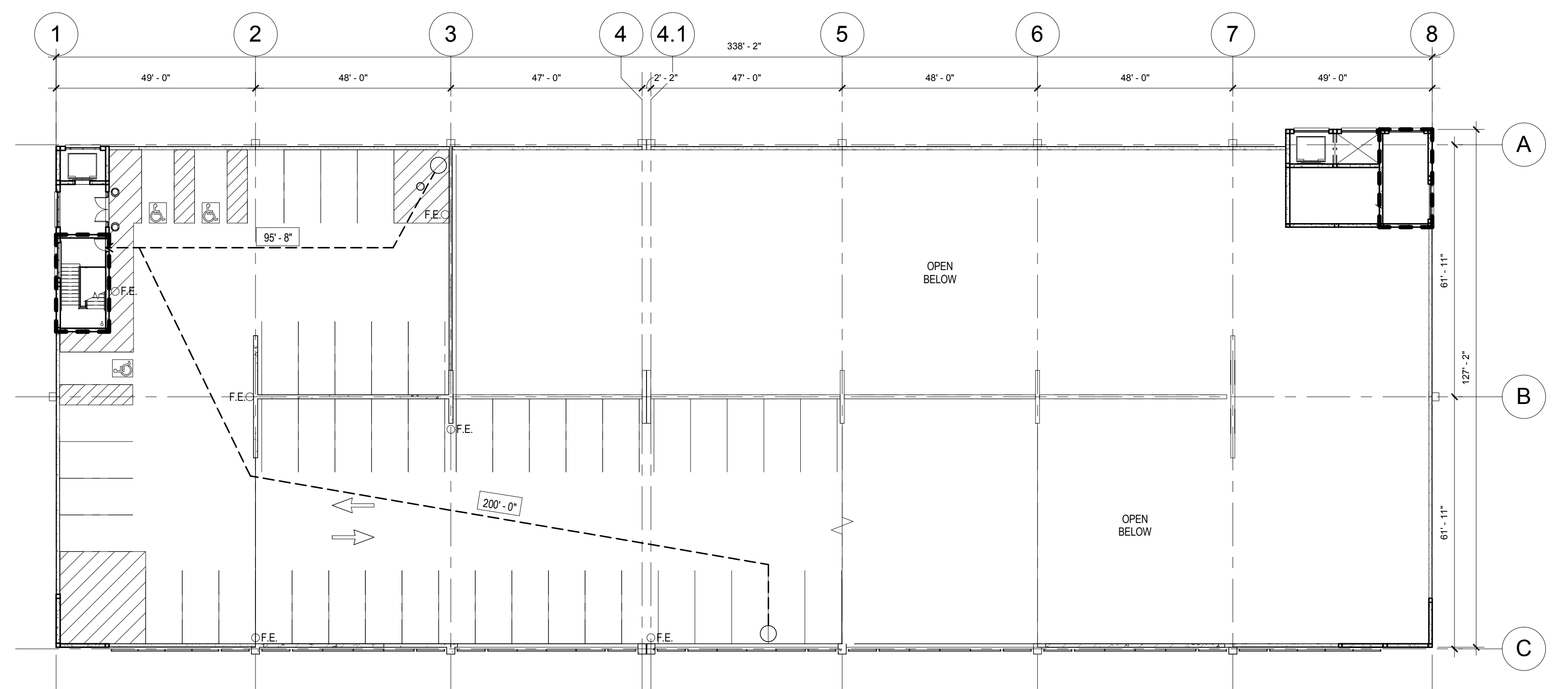
PLAN LEGEND

- EGRESS PATH/TRAVEL DISTANCE
- 2 HR FIRE-RESISTANCE
- F.E. PORTABLE FIRE EXTINGUISHER

NOTE: ALL PARKING SPACES ARE TYPICAL UNLESS OTHERWISE NOTED.



02 SECOND TIER TRAVEL DISTANCE PLAN  
3/64" = 1'-0"



04 FOURTH TIER TRAVEL DISTANCE PLAN  
3/64" = 1'-0"

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01 B2 TIER PLAN - EXISTING  
1/16" = 1'-0"

02 B1 TIER PLAN - EXISTING  
1/16" = 1'-0"

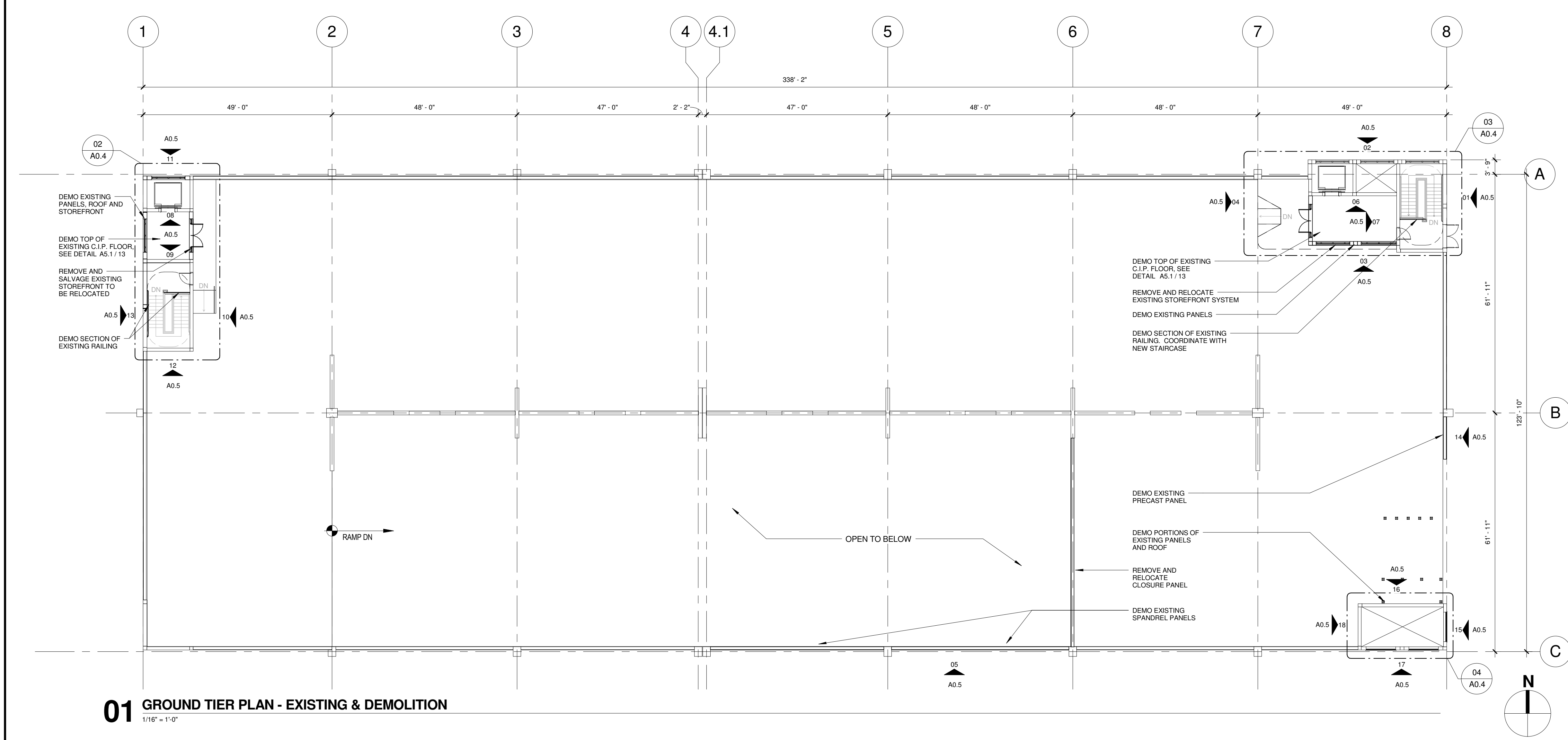
- DEDUCT ALTERNATES (ALT.)
- DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS**  
BASE: Perforated metal screen with accent lighting as shown on the drawings.  
DEDUCT: Delete perforated metal screen and supporting structure as shown on Drawing(s) 05A2.1 and 03A2.2, delete accent lighting as shown on Drawing(s) 01A2.4, 02A2.4, 11A5.2 and 02E1.4.
- DEDUCT ALT. #2 - ELEVATOR LOBBY UPGRADES**  
BASE: Elevator finishes as shown on the drawings.  
DEDUCT: Delete exposed aggregate finish on concrete floor as shown in Drawing(s) 01A3.1, 01A3.2, 04A5.2 and 05A5.2 and substitute smooth trowel finish, delete suspended metal ceilings as shown on Drawing(s) A4.1 and A4.2, provide substitute light fixtures as shown on future schedule E0.0 and Drawing(s) A4.1 and A4.2.
- DEDUCT ALT. #3 - SITE IMPROVEMENTS**  
BASE: All site work shown on the drawings.  
DEDUCT: Provide only the site work shown on Drawing(s) 01C3.1 and CS3.2.
- DEDUCT ALT. #4 - LANDSCAPE AND SITE FURNISHINGS**  
BASE: All landscape work and site furnishings shown on the drawings.  
DEDUCT: Provide only the landscape work and site furnishings shown on Drawing(s) 01LPT.0 and LPT.1.
- DEDUCT ALT. #5 - AUTOMATIC DOOR OPENING DEVICES**  
BASE: All automatic door opening devices shown on the drawings and hardware schedule.  
DEDUCT: Provide manual door closer as specified in Spec Section (s) 087100. Delete electrical feeds shown on Drawing(s) 01E2.1, 01E2.4 and 02E2.4.
- DEDUCT ALT. #6 - CARD READERS**  
BASE: All card readers shown on the drawings and hardware schedule.  
DEDUCT: Provide manual door locks/fiches as specified in Spec Section(s) 087100. Delete electrical feeds shown on Drawing(s) 02E2.2, 01E2.4 and 02E3.2.
- DEDUCT ALT. #7 - BARRIER CABLE SYSTEM**  
BASE: Barrier cable system as shown on the drawings.  
DEDUCT: Delete barrier cables at exterior openings as shown on Drawing(s) A2.1, A2.2 and 05A2.4.
- DEDUCT ALT. #8 - CRASH BARRIER, BOLLARDS AND SECURITY GATES**  
BASE: All crash barriers, bollards, and security gates shown on the drawings.  
DEDUCT: Delete all crash barriers, bollards, and security gates shown on Drawing(s) 01C3.0, 04LPT.1 and 05LPT.1.
- DEDUCT ALT. #9 - SITE FENCING**  
BASE: All site fencing shown on the drawings.  
DEDUCT: Delete all site fencing shown on Drawing(s) 01C3.0 and 06LPT.1.
- DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING**  
BASE: All cable type barrier fencing shown on the drawings.  
DEDUCT: Provide chain link barrier fencing shown on Drawing(s) S2.1 and 06S3.3.
- DEDUCT ALT. #11 - SECURITY CAMERAS**  
BASE: Security cameras as shown on the drawings.  
DEDUCT: Delete security cameras and appearances (conduit, junction boxes, and power) shown on Drawing(s) E3.3, E3.4 and 02E3.5.
- DEDUCT ALT. #12 - LED LIGHTING**  
BASE: LED lighting as shown on the drawings.  
DEDUCT: Delete substitute light fixtures as shown on future schedule E0.0 and as shown on Drawing(s) E1.4, E1.5 and E1.6.
- DEDUCT ALT. #13 - SECURITY BOOTH**  
BASE: Security booth as shown on the drawings.  
DEDUCT: Delete security booth and appearances shown on Drawing(s) A4.3, 02E1.4, 03E2.2 and 01E2.3.
- DEDUCT ALT. #14 - PARKING TIERS**  
BASE: 2-1/2 new tiers parking tiers as shown on the drawings.  
DEDUCT: Delete 1/2 tier and connecting ramp as shown on Drawing(s) 02A1.2, 02A1.6, A2.1, A2.2, 01S1.5, 02M1.3, 02P1.3, 03FP1.3, 02E1.6, 02E2.4 and 02E3.4.

- PLAN LEGEND
- PIPE BOLLARD, SEE DETAIL 02A1.3
  - PVC BOLLARD, SEE DETAIL 03A1.3
  - FLOOR DRAIN, SEE STRUCTURAL
  - FLOOR SLOPE, SEE STRUCTURAL

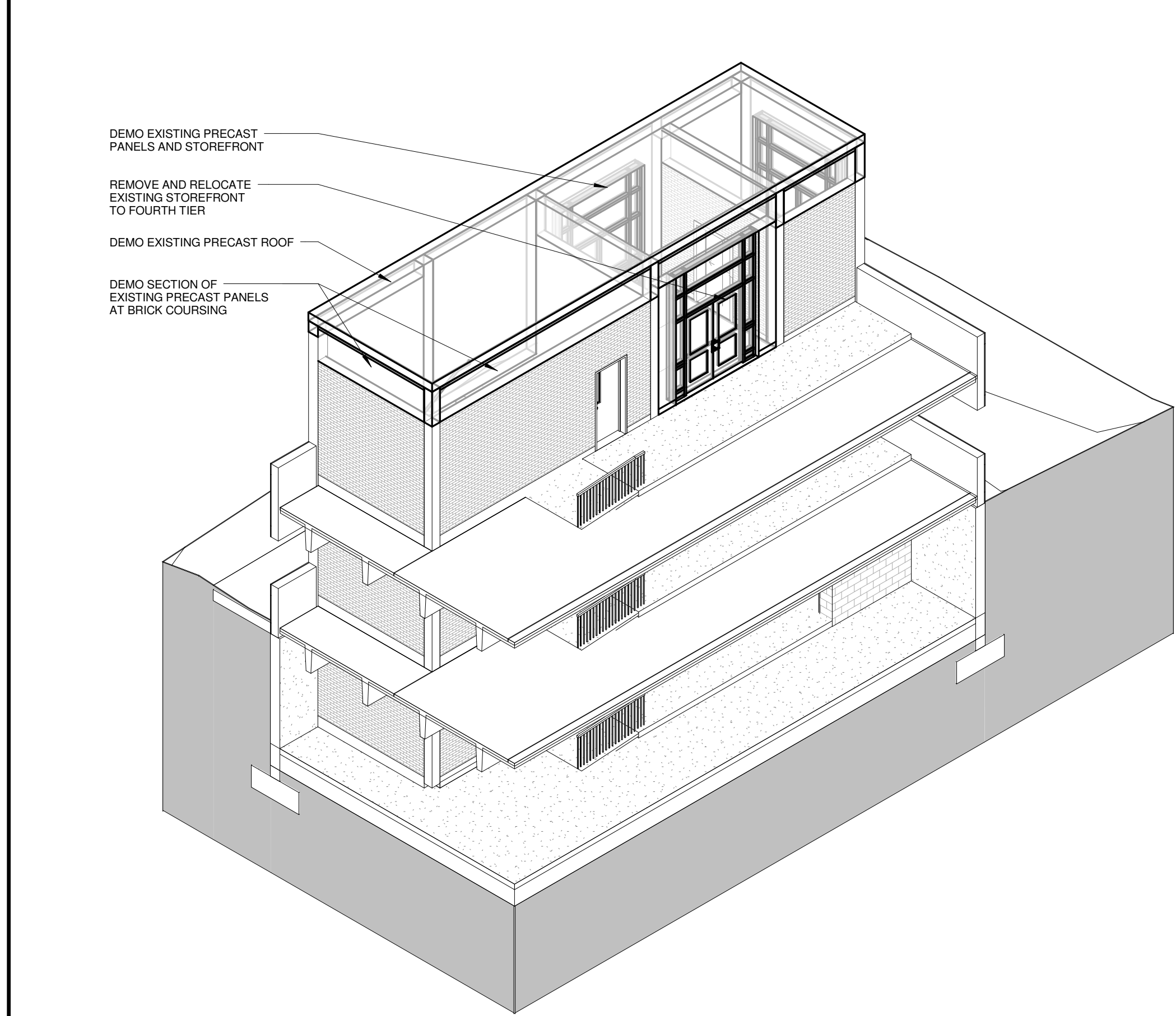
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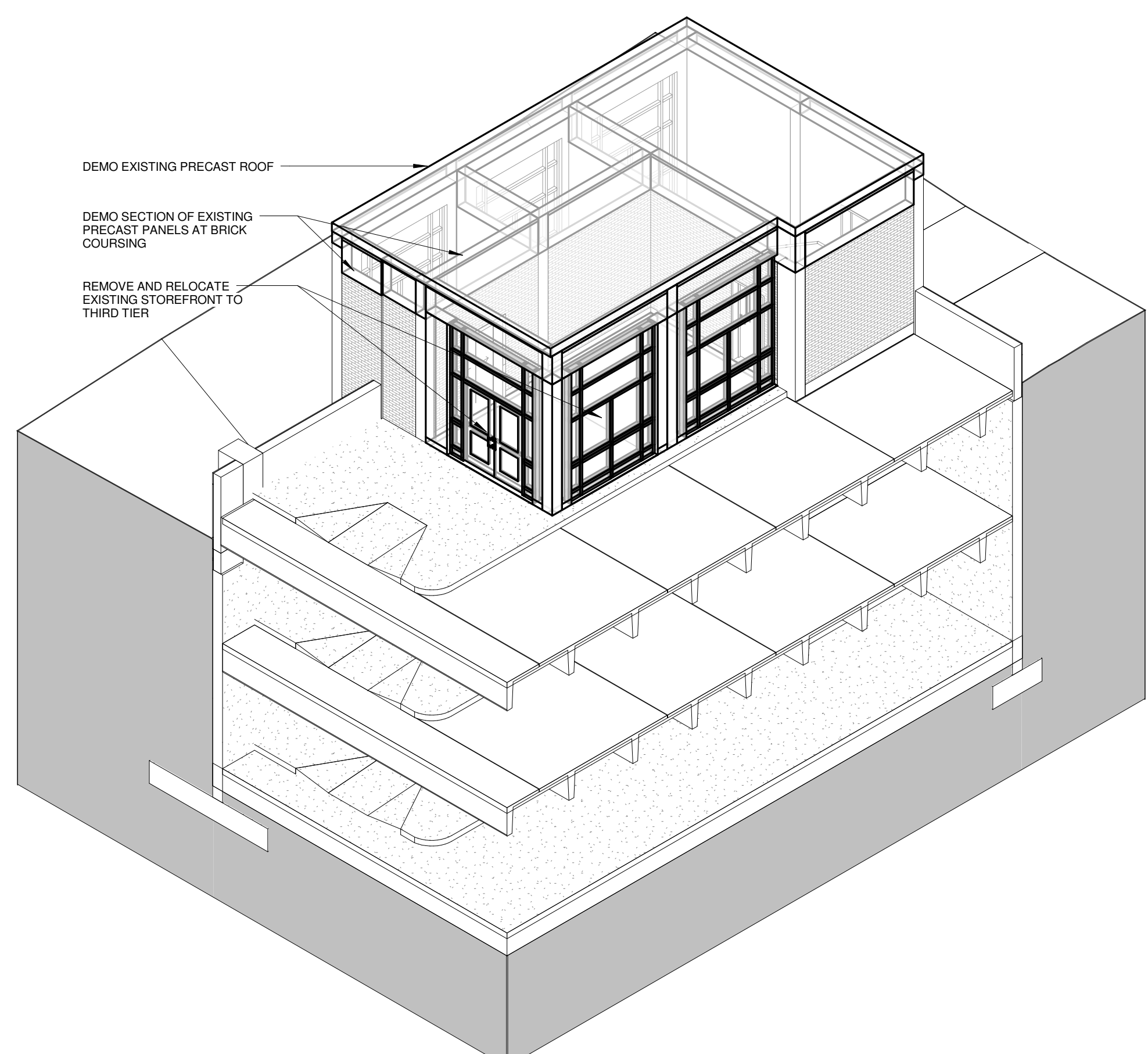
three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot  
one sixteenth inch = one foot



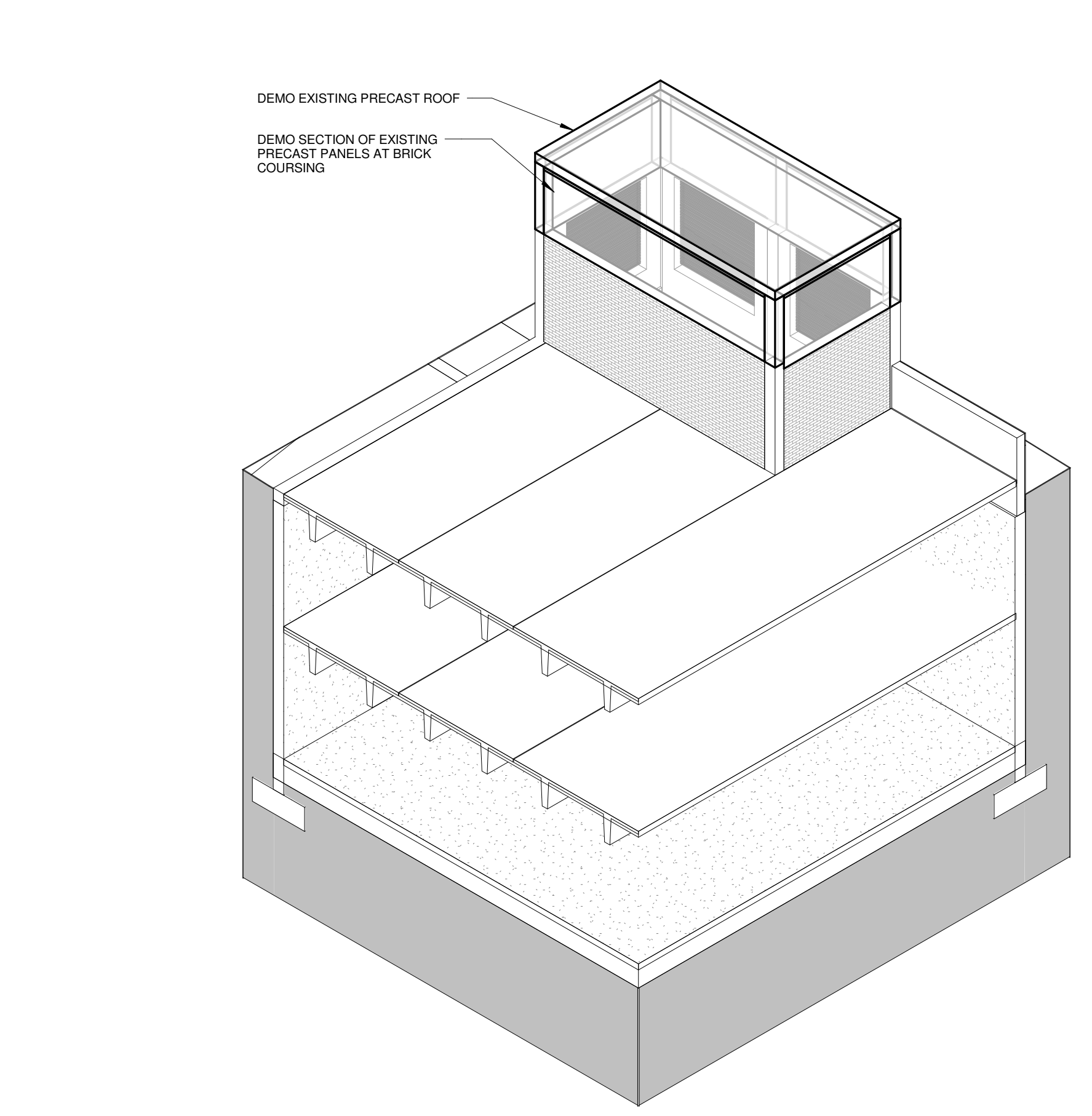
01 GROUND TIER PLAN - EXISTING & DEMOLITION  
1/16" = 1'-0"



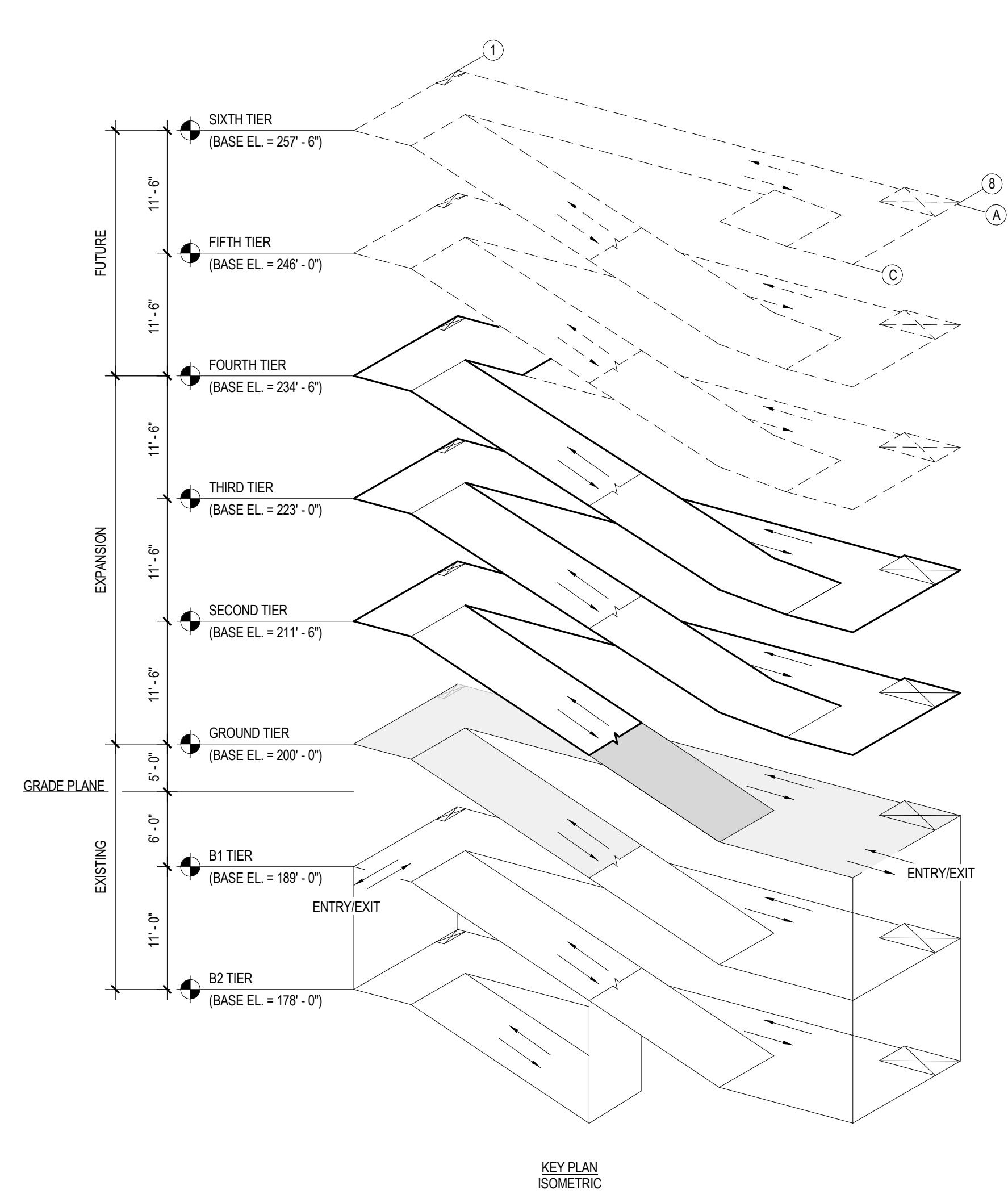
02 ELEVATOR/STAIR TOWER #2 AXONOMETRIC - DEMOLITION  
NOT TO SCALE



03 ELEVATOR/STAIR TOWER #1 AXONOMETRIC - DEMOLITION  
NOT TO SCALE



04 VENTILATION TOWER AXONOMETRIC - DEMOLITION  
NOT TO SCALE



DEDUCT ALTERNATES (ALT.)

**DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS**  
BASE: Perforated metal screen with accent lighting as shown on the drawings.  
DEDUCT: Delete perforated metal screen and supporting structure as shown on Drawings) 03A2.1 and 03A2.2, delete accent lighting as shown on Drawings) 01A2.1, 02A2.1, 11A2.2 and 02E1.4.

**DEDUCT ALT. #2 - ELEVATOR LOBBY UPDATES**  
BASE: Elevator finishes as shown on the drawings.  
DEDUCT: Delete exposed aggregate finish on concrete floor as shown in Drawings) 01A3.1, 01A3.2, 04A3.2 and 05A3.2 and substitute smooth trowel finish, delete suspended metal ceilings as shown on Drawing(s) A4.1 and A4.2, provide substitute light fixtures as shown on future schedule E0.0 and Drawing(s) A4.1 and A4.2.

**DEDUCT ALT. #3 - SITE IMPROVEMENTS**  
BASE: All site work shown on the drawings.  
DEDUCT: Provide only the site work shown on Drawing(s) 01CS3.1 and CS3.2.

**DEDUCT ALT. #4 - LANDSCAPE AND SITE FURNISHINGS**  
BASE: All landscape work and site furnishings shown on the drawings.  
DEDUCT: Provide only the landscape work and site furnishings shown on Drawing(s) 01LP7.0 and LP7.1.

**DEDUCT ALT. #5 - AUTOMATIC DOOR OPENING DEVICES**  
BASE: All automatic door opening devices shown on the drawings and hardware schedule.  
DEDUCT: Provide manual door closer as specified in Spec Section (s) 087100. Delete electrical feeds shown on Drawing(s) 01E2.1, 01E2.4 and 02E3.4.

**DEDUCT ALT. #6 - CARD READERS**  
BASE: All card readers shown on the drawings and hardware schedule.  
DEDUCT: Provide manual door locksets as specified in Spec Sections) 087100. Delete electrical feeds shown on Drawing(s) 02E2.2, 01E2.4 and 02E3.2.

**DEDUCT ALT. #7 - BARRIER CABLE SYSTEM**  
BASE: Barrier cable system as shown on the drawings.  
DEDUCT: Delete barrier cables at exterior openings as shown on Drawing(s) A2.1, A2.2 and 06A2.4.

**DEDUCT ALT. #8 - CRASH BARRIER, BOLLARDS AND SECURITY GATES**  
BASE: All crash barriers, bollards, and security gates shown on the drawings.  
DEDUCT: Delete all crash barriers, bollards, and security gates shown on Drawing(s) 01CS3.0, 04LP7.1 and 05LP7.1.

**DEDUCT ALT. #9 - SITE FENCING**  
BASE: All site fencing shown on the drawings.  
DEDUCT: Delete all site fencing shown on Drawing(s) 01CS3.0 and 08LP7.1.

**DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING**  
BASE: All cable type barrier fencing shown on the drawings.  
DEDUCT: Provide chain link barrier fencing shown on Drawing(s) S2.1 and 06S3.3.

**DEDUCT ALT. #11 - SECURITY CAMERAS**  
BASE: Security cameras as shown on the drawings.  
DEDUCT: Delete security cameras and appurtenances (conduit, junction boxes, and power) shown on Drawing(s) E3.3, E3.4 and 02E3.5.

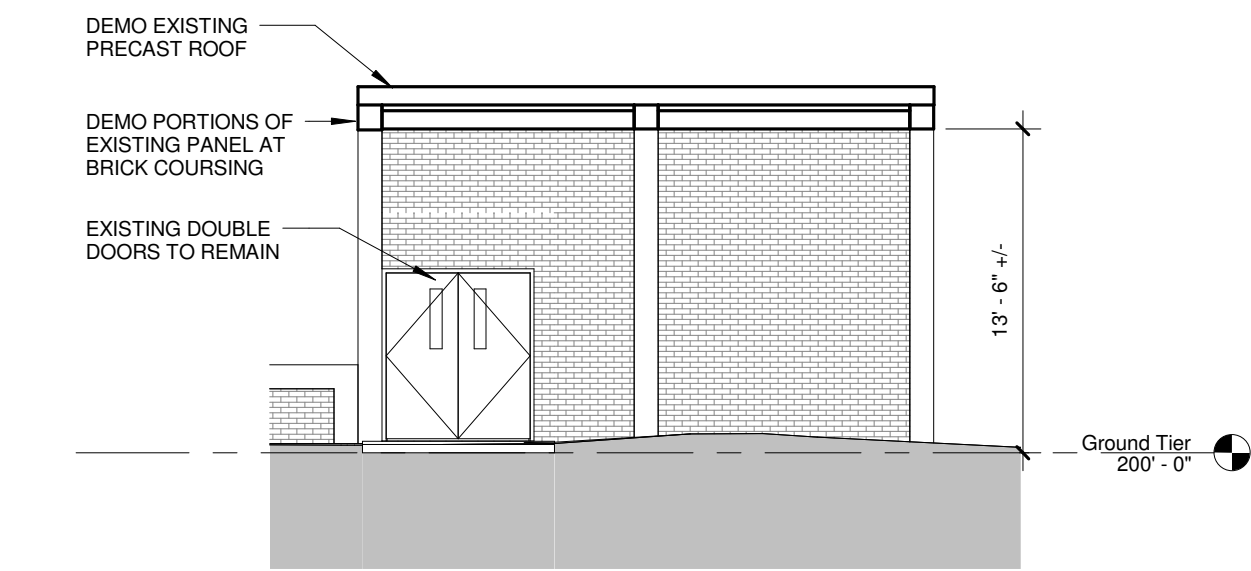
**DEDUCT ALT. #12 - LED LIGHTING**  
BASE: LED lighting as shown on the drawings.  
DEDUCT: Provide substitute light fixtures as shown on future schedule E0.0 and as shown on Drawing(s) E1.4, E1.5 and E1.6.

**DEDUCT ALT. #13 - SECURITY BOOTH**  
BASE: Security booth as shown on the drawings.  
DEDUCT: Delete security booth and appurtenances shown on Drawing(s) A4.3, 02E1.4, 03E2.2 and 01E2.3.

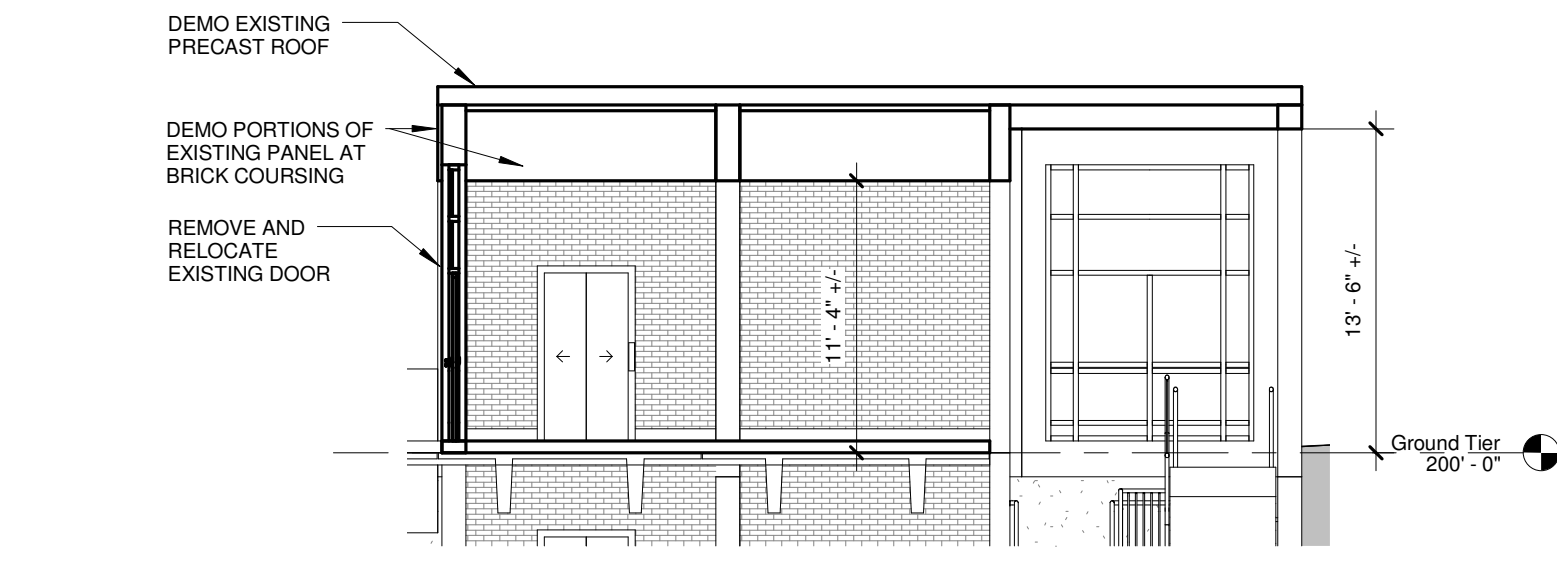
**DEDUCT ALT. #14 - PARKING TIERS**  
BASE: 2-1/2 new tiers parking tiers as shown on the drawings.  
DEDUCT: Delete 1/2 tier and connecting ramp as shown on Drawing(s) 02A1.2, 02A1.6, A2.1, A2.2, 01S1.5, 02M1.3, 02P1.3, 03PP1.3, 02E1.6, 02E2.4 and 02E3.4.

LINETYPE LEGEND	
---	EXISTING CONDITIONS
---	DEMOLITION

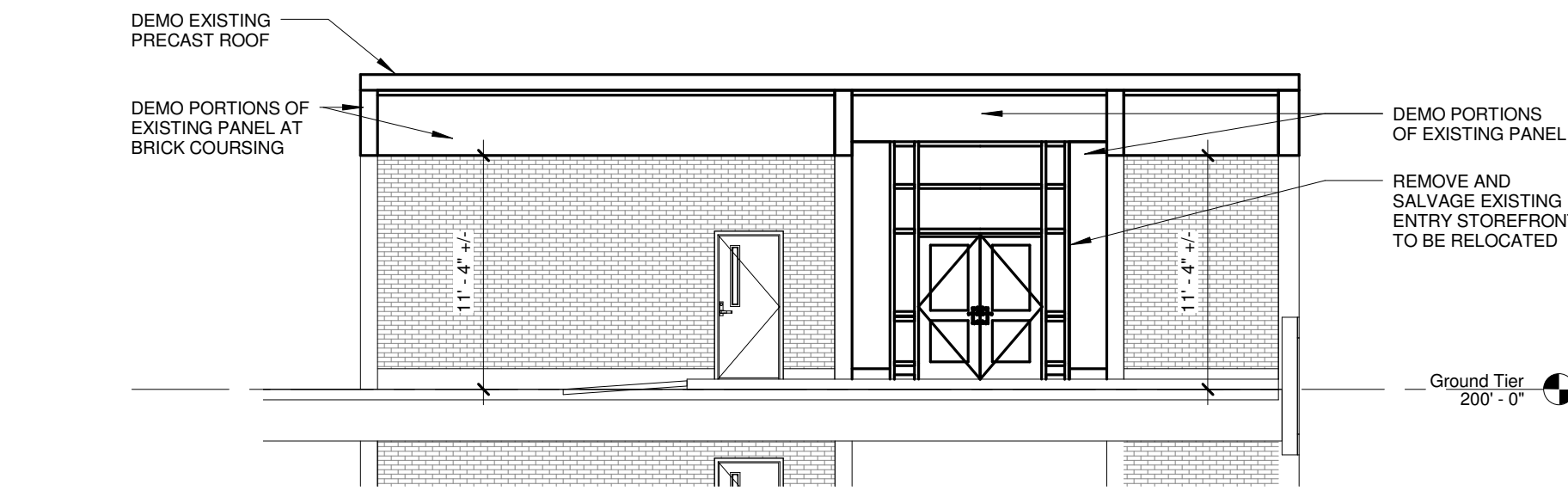
			<b>CONSULTANTS:</b>			<b>SEAL:</b>			<b>ARCHITECT/ENGINEERS:</b>			<div>Drawing Title GROUND TIER PLAN - EXISTING &amp; DEMOLITION</div> <div>Approved: Project Director - - -</div>			<div>Project Title VA MEDICAL CENTER EXPAND VISITOR/PATIENT PARKING GARAGE - PHASE 1</div> <div>Location 50 IRVING ST. N.W. WASHINGTON, D.C.</div> <div>Date 02/16/15</div> <div>Checked GT</div> <div>Drawn MC</div>			<div>Project Number 688-345</div> <div>Building Number -</div> <div>Drawing Number A0.4</div> <div>Dwg. 16 of 89</div>			<div>Office of Construction and Facilities Management</div> <div> Department of Veterans Affairs</div>		
			<div><b>ARCHITECT</b> Melville Thomas Architects, Inc. 600 Wyndhurst Avenue, Suite 315 Baltimore, MD 21210</div> <div><b>STRUCTURAL ENGINEER</b> Tim Haahr &amp; Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422</div>			<div><b>PARKING CONSULTANT</b> 550 Township Line Road, Suite 100 Blue Bell, PA 19422</div> <div><b>MEP ENGINEER</b> DCS Infrastructure, Inc. 3249 Route 112, Suite 1B Medford, NY 11763</div>			<div><b>COST ESTIMATOR</b> DMS Construction Consulting Services, Inc. 5500 Starnett Place, Suite 300 Columbia, MD 21044</div> <div><b>CIVIL ENGINEER</b> KCI Technologies, Inc. 936 Ridgebrook Road Sparks, MD 21152</div>			<div><b>Melville Thomas Architects, Inc.</b> ARCHITECTURE &amp; PLANNING  600 Wyndhurst Ave., Suite 315 Baltimore, MD 21210 T: 410.433.4400 F: 410.433.4719 www.mtarx.com</div>											



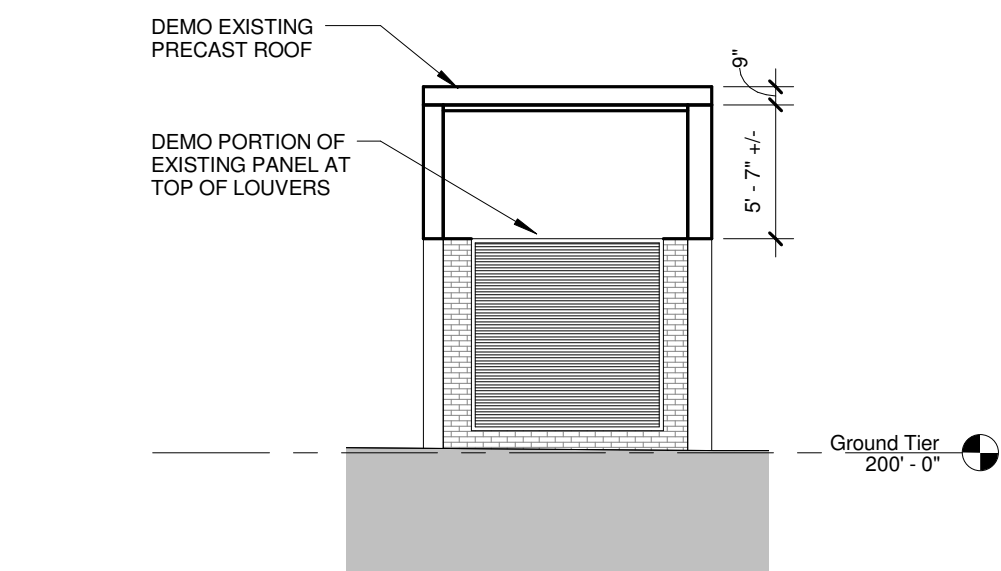
**01 ELEVATOR/STAIR #1 EAST ELEVATION**  
1/8" = 1'-0"



**06 LOBBY #1 NORTH ELEVATION**  
1/8" = 1'-0"



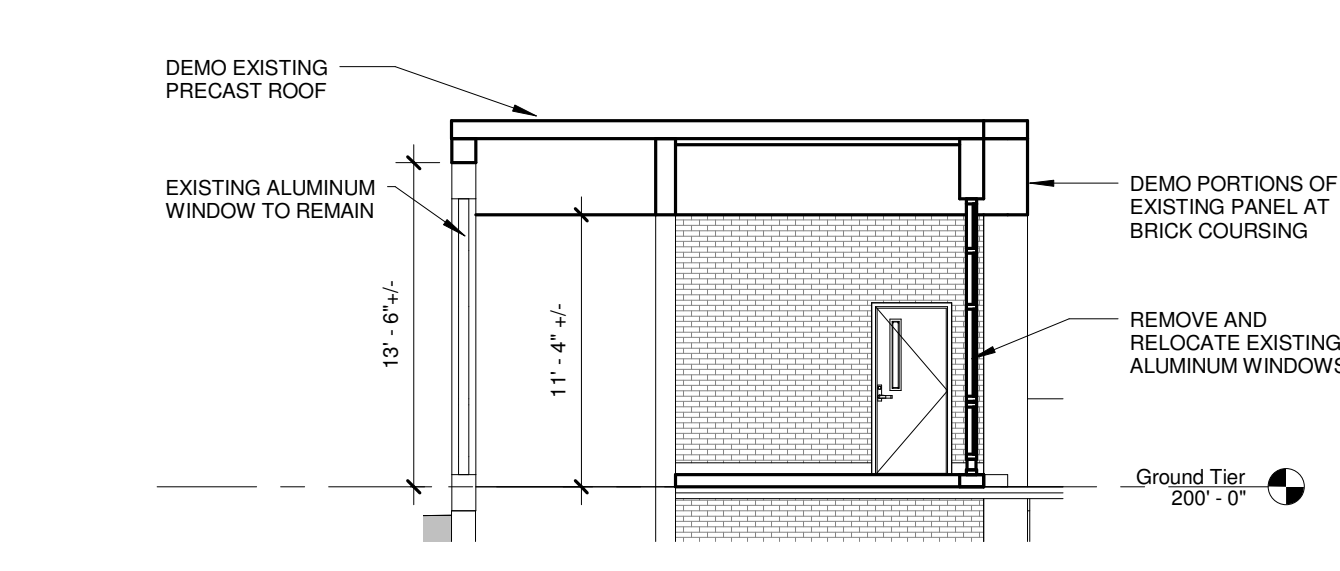
**10 ELEVATOR/STAIR TOWER #2 EAST ELEVATION**  
1/8" = 1'-0"



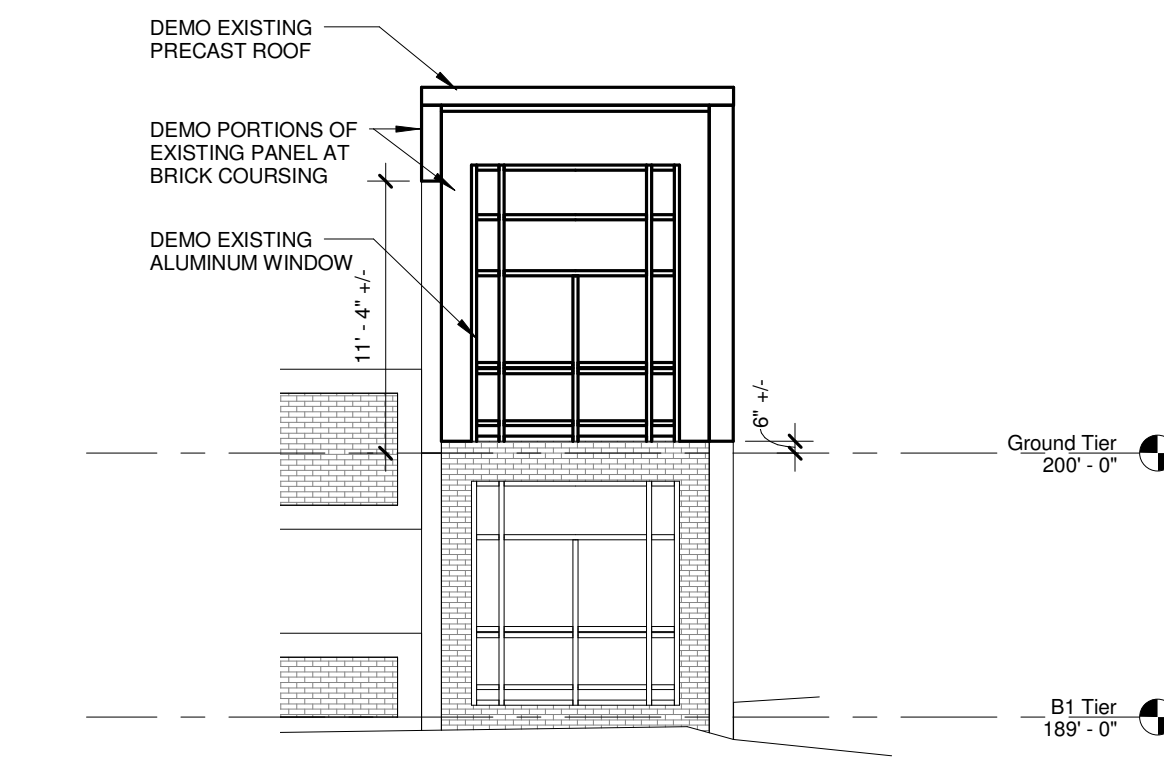
**15 VENTILATION TOWER EAST ELEVATION**  
1/8" = 1'-0"



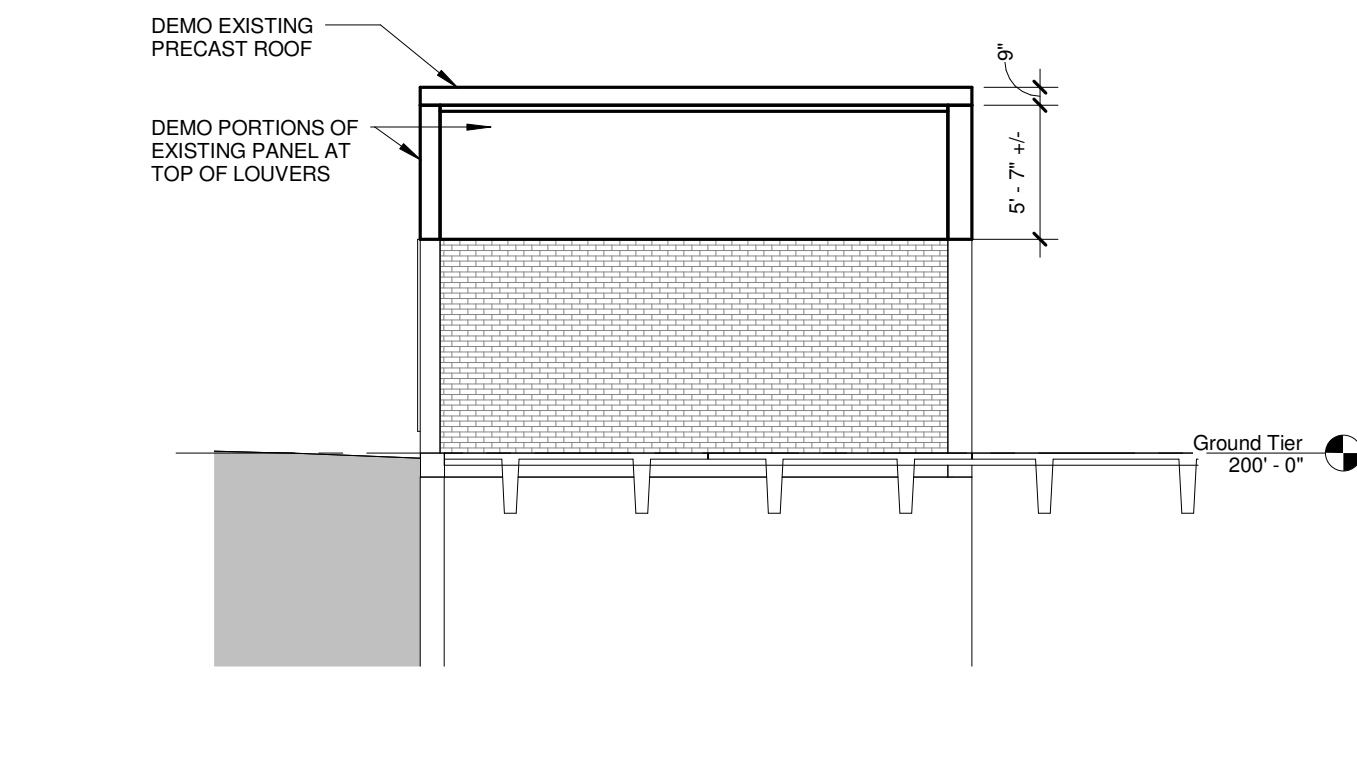
**02 ELEVATOR/STAIR TOWER #1 NORTH ELEVATION**  
1/8" = 1'-0"



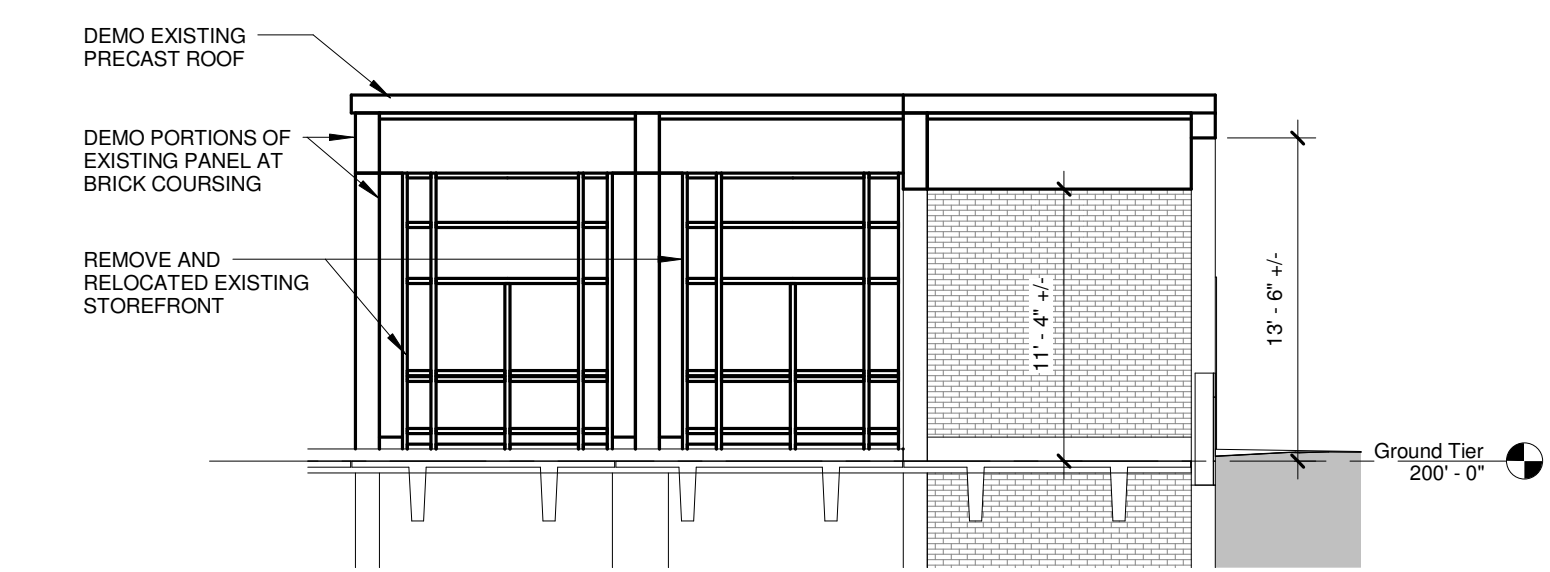
**07 LOBBY #1 EAST ELEVATION**  
1/8" = 1'-0"



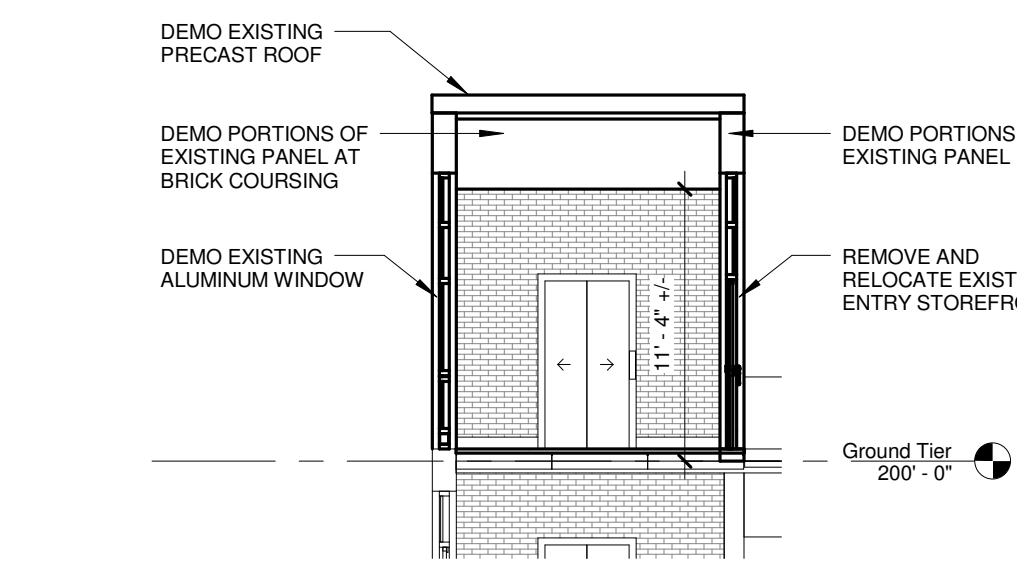
**11 ELEVATOR/STAIR TOWER #2 NORTH ELEVATION**  
1/8" = 1'-0"



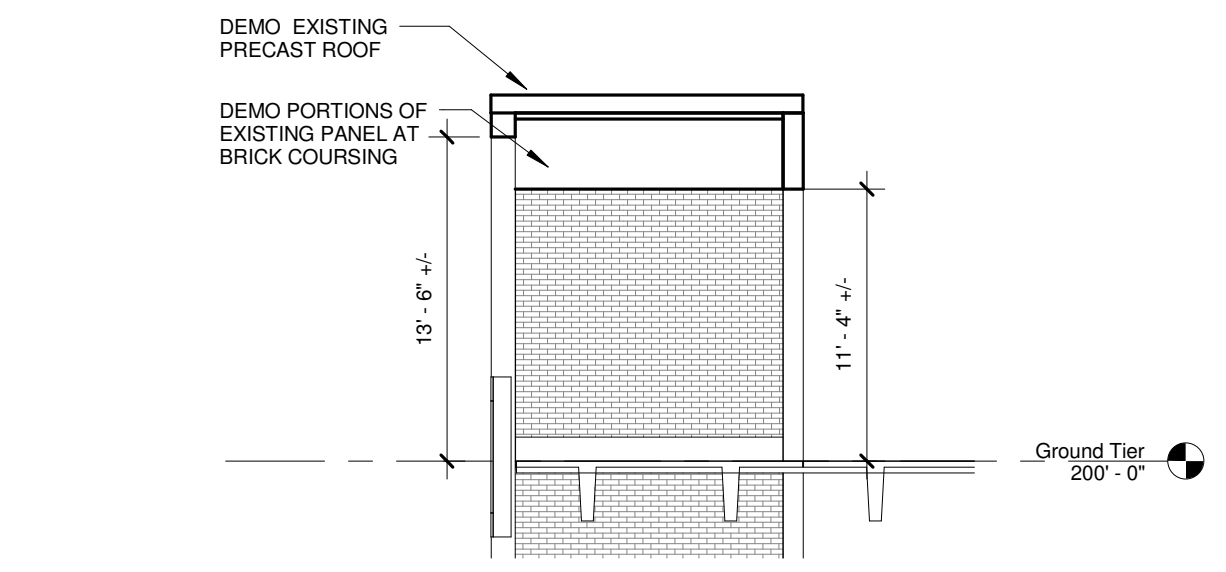
**16 VENTILATION TOWER NORTH ELEVATION**  
1/8" = 1'-0"



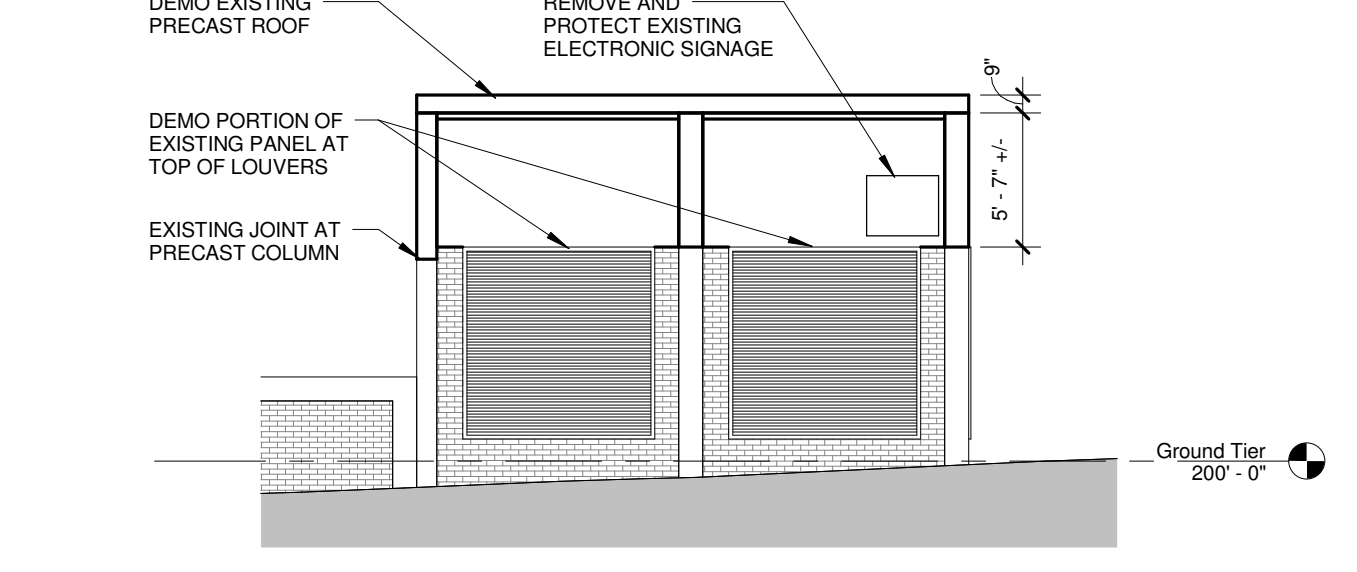
**03 ELEVATOR/STAIR TOWER #1 SOUTH ELEVATION**  
1/8" = 1'-0"



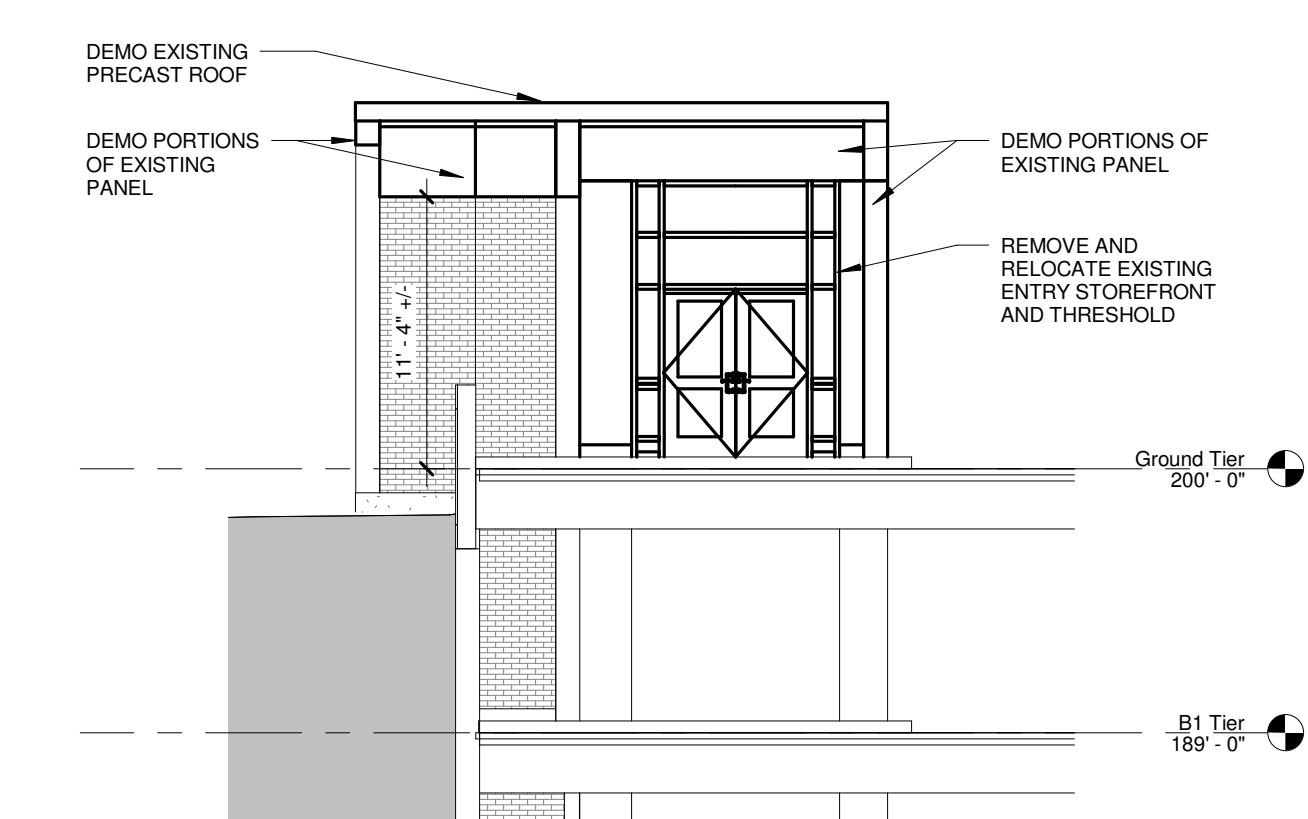
**08 LOBBY #2 NORTH ELEVATION**  
1/8" = 1'-0"



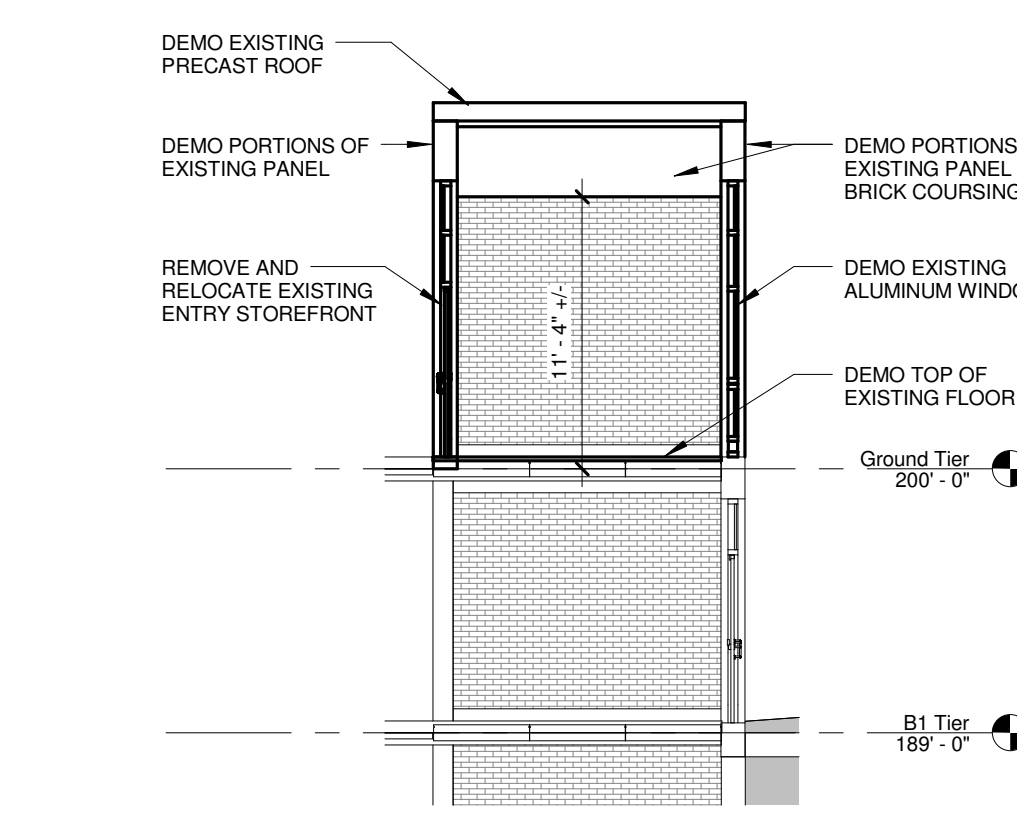
**12 ELEVATOR/STAIR TOWER #2 SOUTH ELEVATION**  
1/8" = 1'-0"



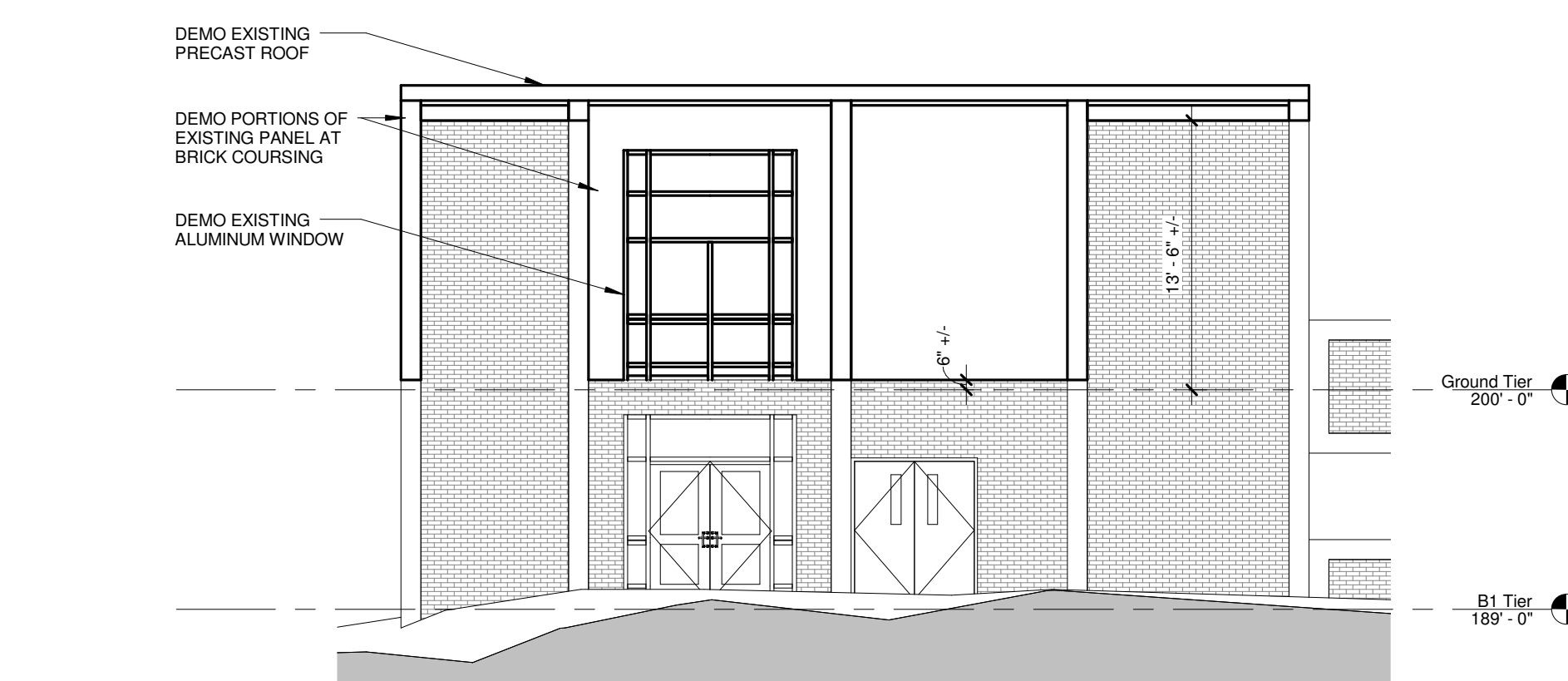
**17 VENTILATION TOWER SOUTH ELEVATION**  
1/8" = 1'-0"



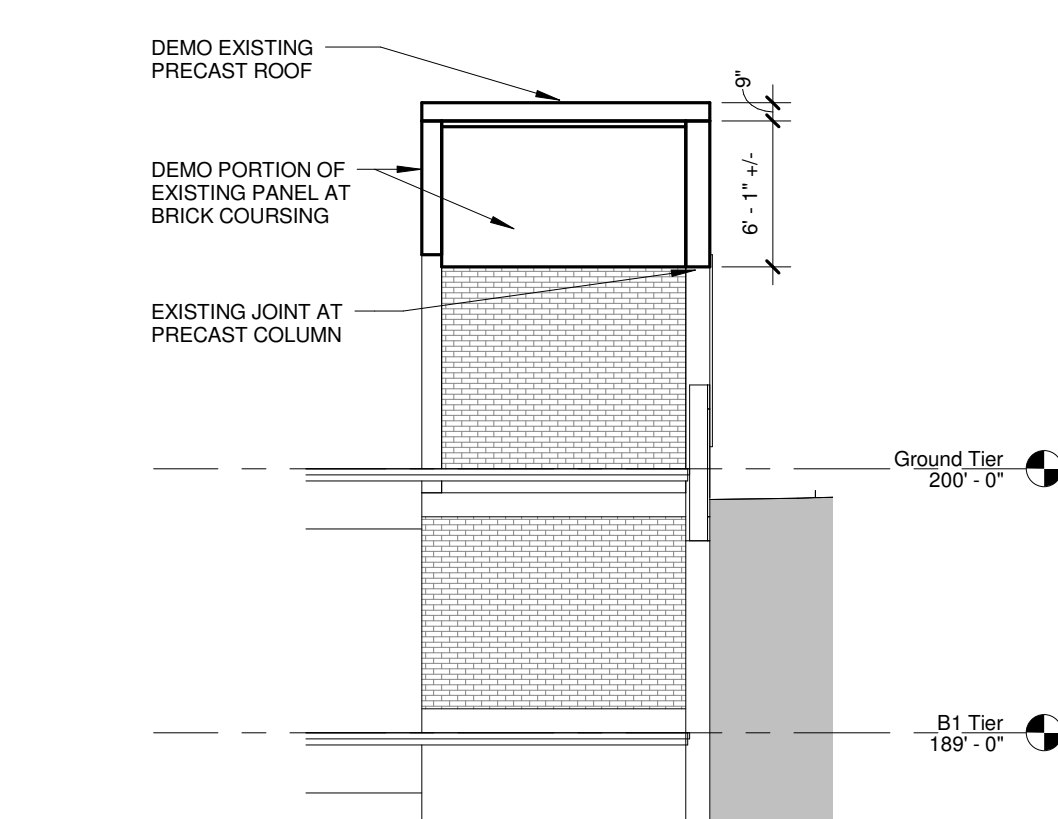
**04 ELEVATOR/STAIR TOWER #1 WEST ELEVATION**  
1/8" = 1'-0"



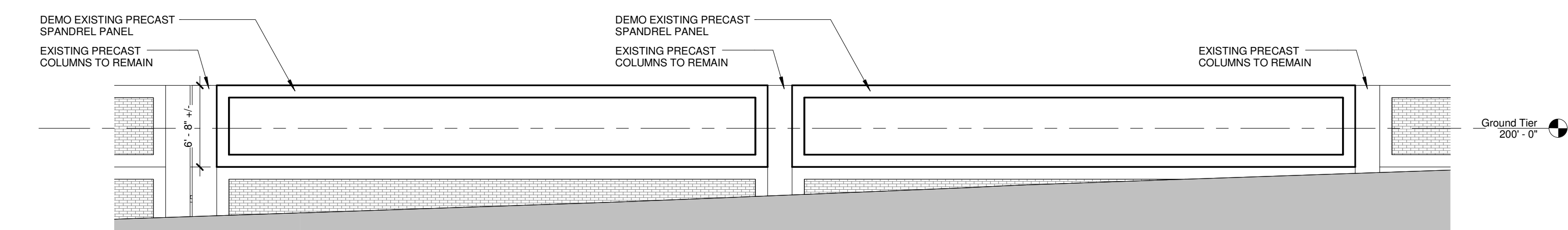
**09 LOBBY #2 SOUTH ELEVATION**  
1/8" = 1'-0"



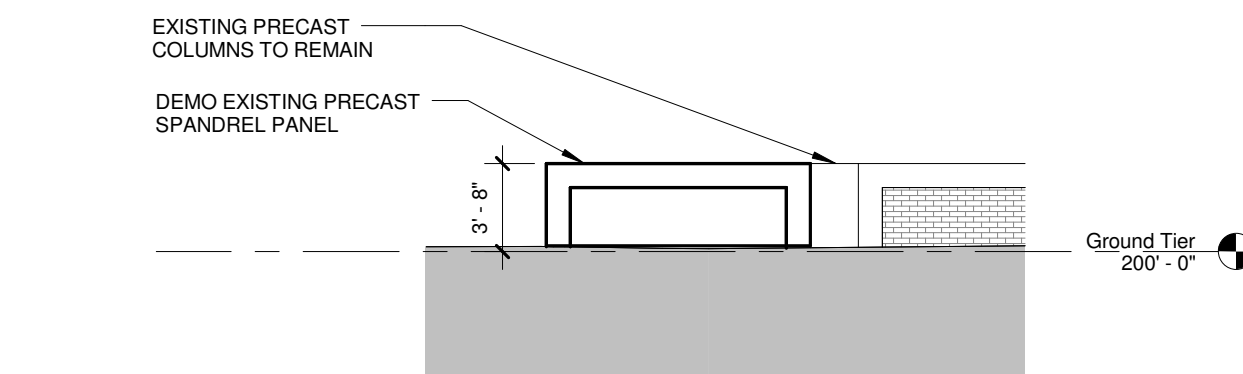
**13 ELEVATOR/STAIR TOWER #2 WEST ELEVATION**  
1/8" = 1'-0"



**18 VENTILATION TOWER WEST ELEVATION**  
1/8" = 1'-0"



**05 SPANDREL PANEL SOUTH ELEVATION**  
1/8" = 1'-0"



**14 SPANDREL PANEL EAST ELEVATION**  
1/8" = 1'-0"

LINETYPE LEGEND	
---	EXISTING CONDITIONS
---	DEMOLITION

4	100% Submission	02/16/15
3	95% Submission	08/28/14
2	65% Submission	08/07/14
Revisions:		Date

CONSULTANTS:		
<b>ARCHITECT</b> Melville Thomas Architects, Inc. 600 Wyndhurst Avenue, Suite 315 Baltimore, MD 21210	<b>PARKING CONSULTANT</b> Tim Haas & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422	<b>COST ESTIMATOR</b> DMS Construction Consulting Services, Inc. 5550 Sterrett Place, Suite 300 Columbia, MD 21044
<b>STRUCTURAL ENGINEER</b> Tim Haas & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422	<b>MEP ENGINEER</b> DCS Infrastructure, Inc. 3249 Route 112, Suite 1B Medford, NY 11763	<b>CIVIL ENGINEER</b> KGI Technologies, Inc. 936 Ridgelynck Road Sparks, MD 21152

SEAL:
-------

ARCHITECT/ENGINEERS:
<b>Melville Thomas Architects, Inc.</b> ARCHITECTURE & PLANNING  400 Wyndhurst Ave., Suite 315 Baltimore, MD 21210 T: 410.423.4400 F: 410.423.4719 www.mtarx.com

Drawing Title
DEMOLITION ELEVATIONS
Approved: Project Director

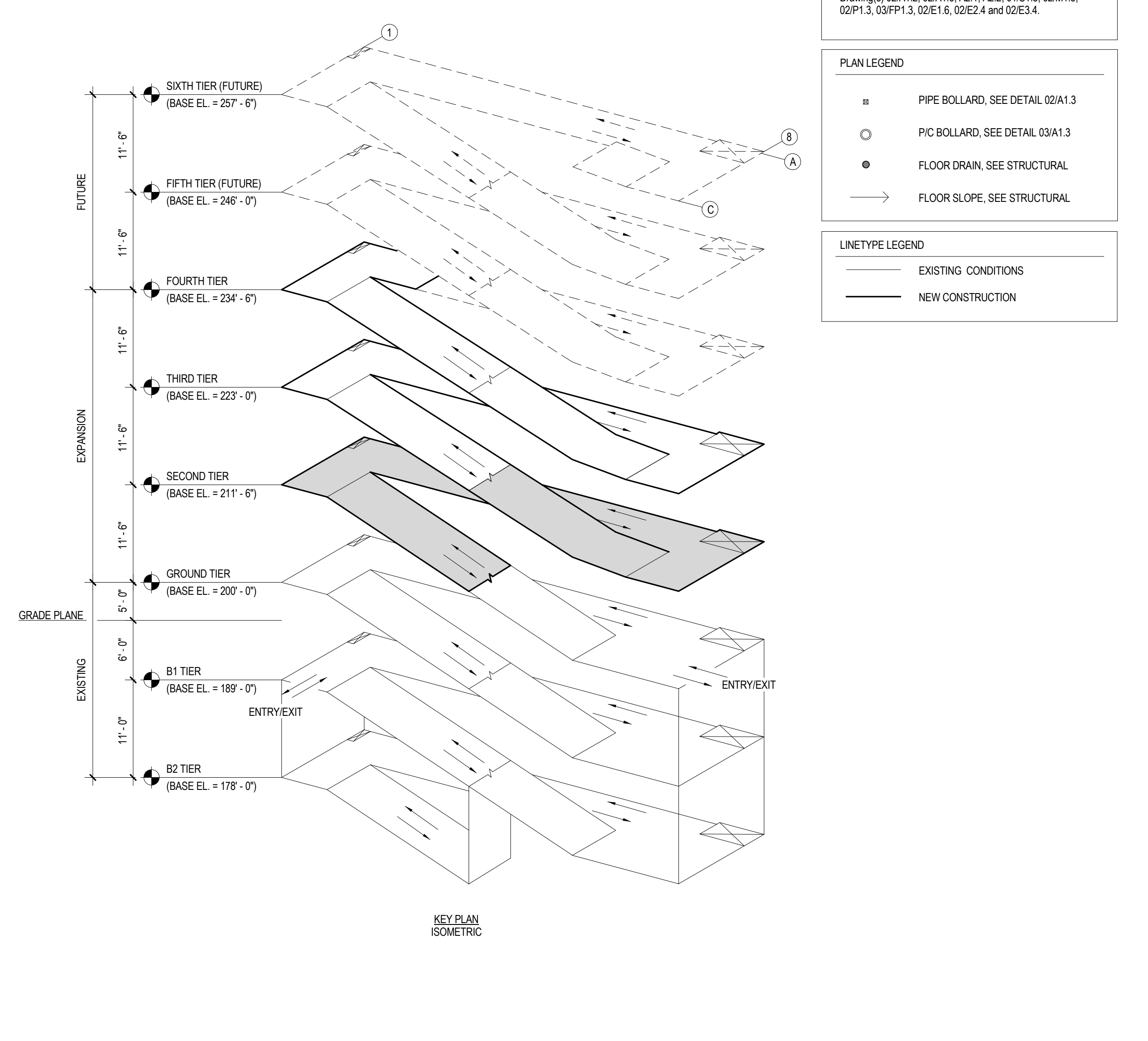
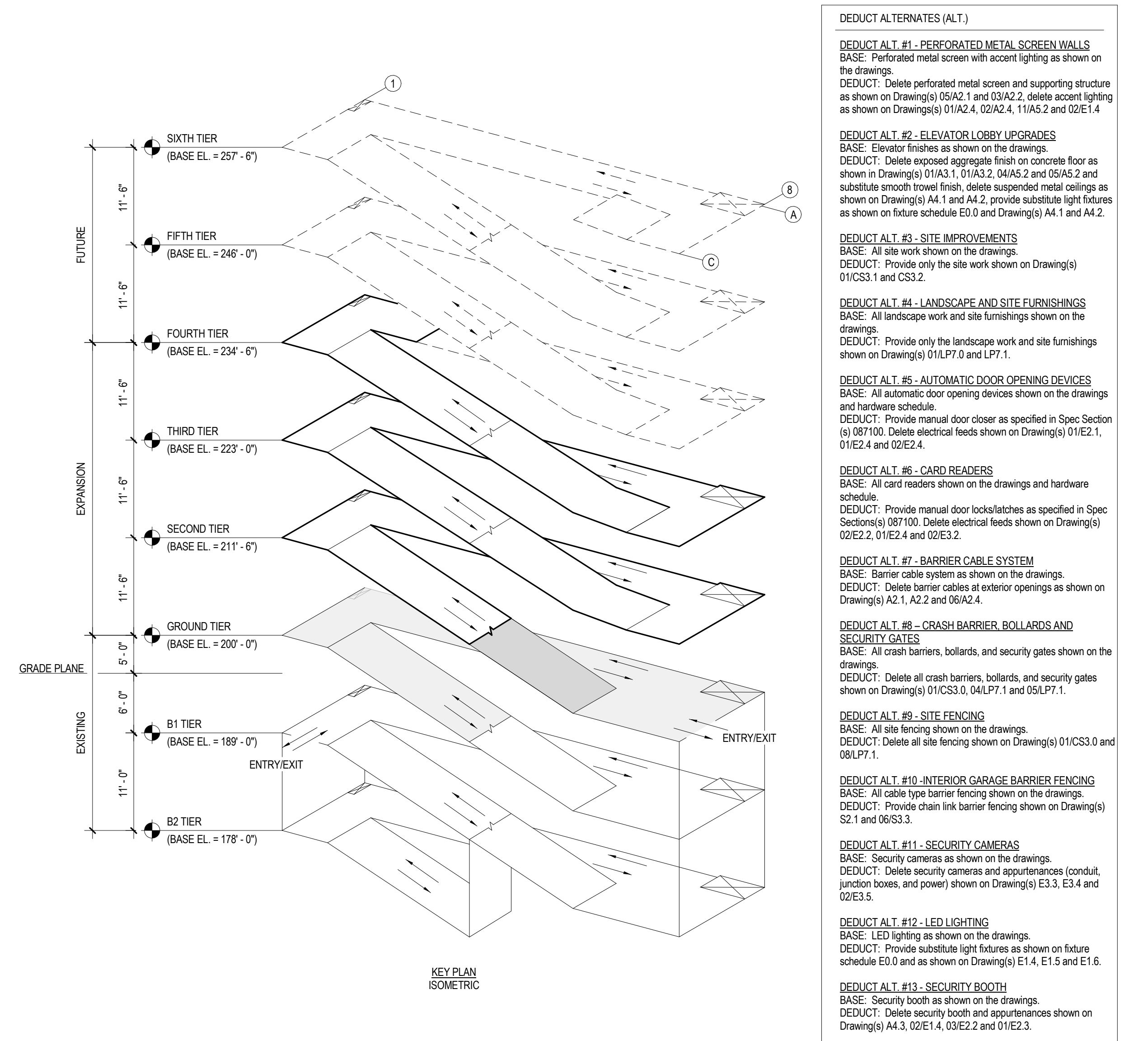
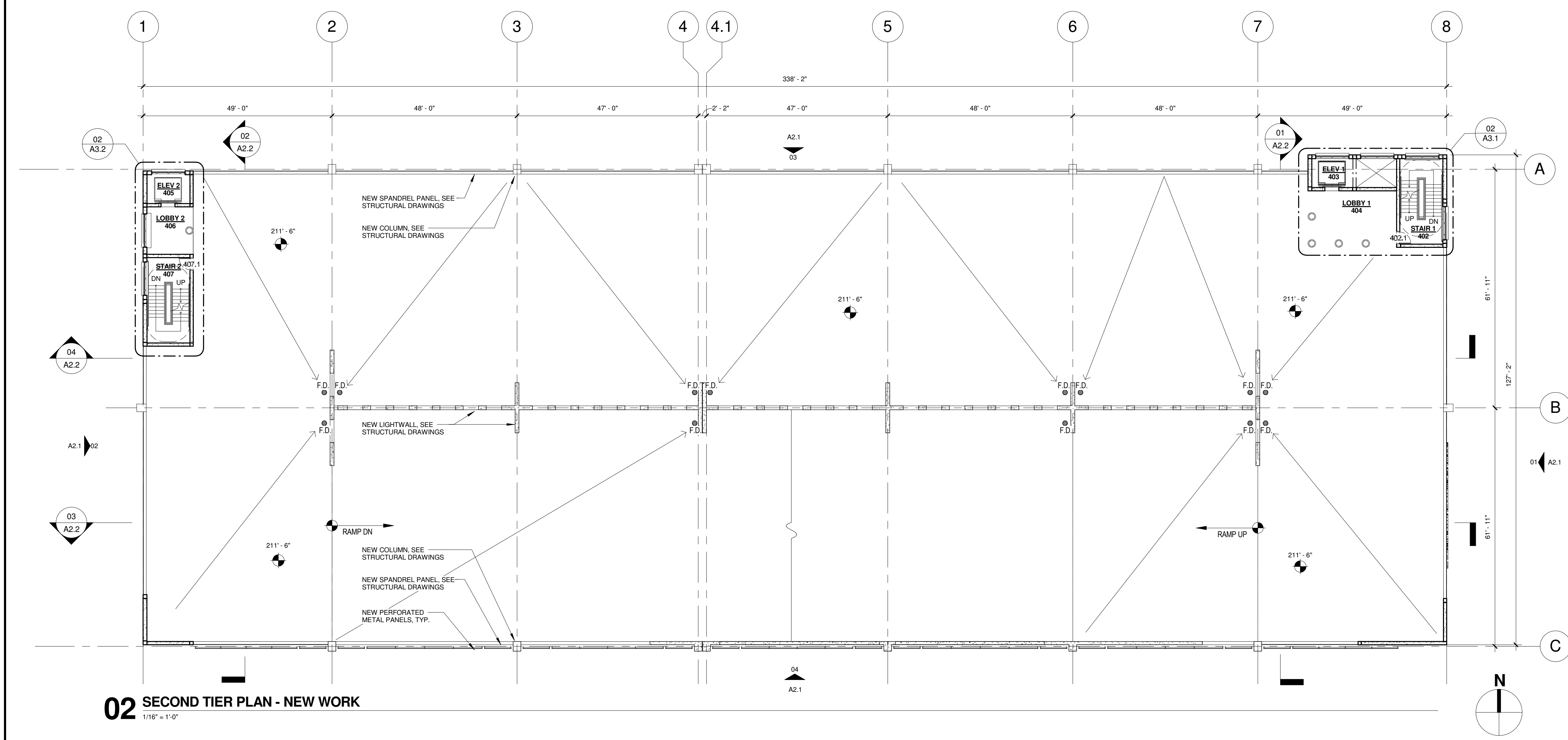
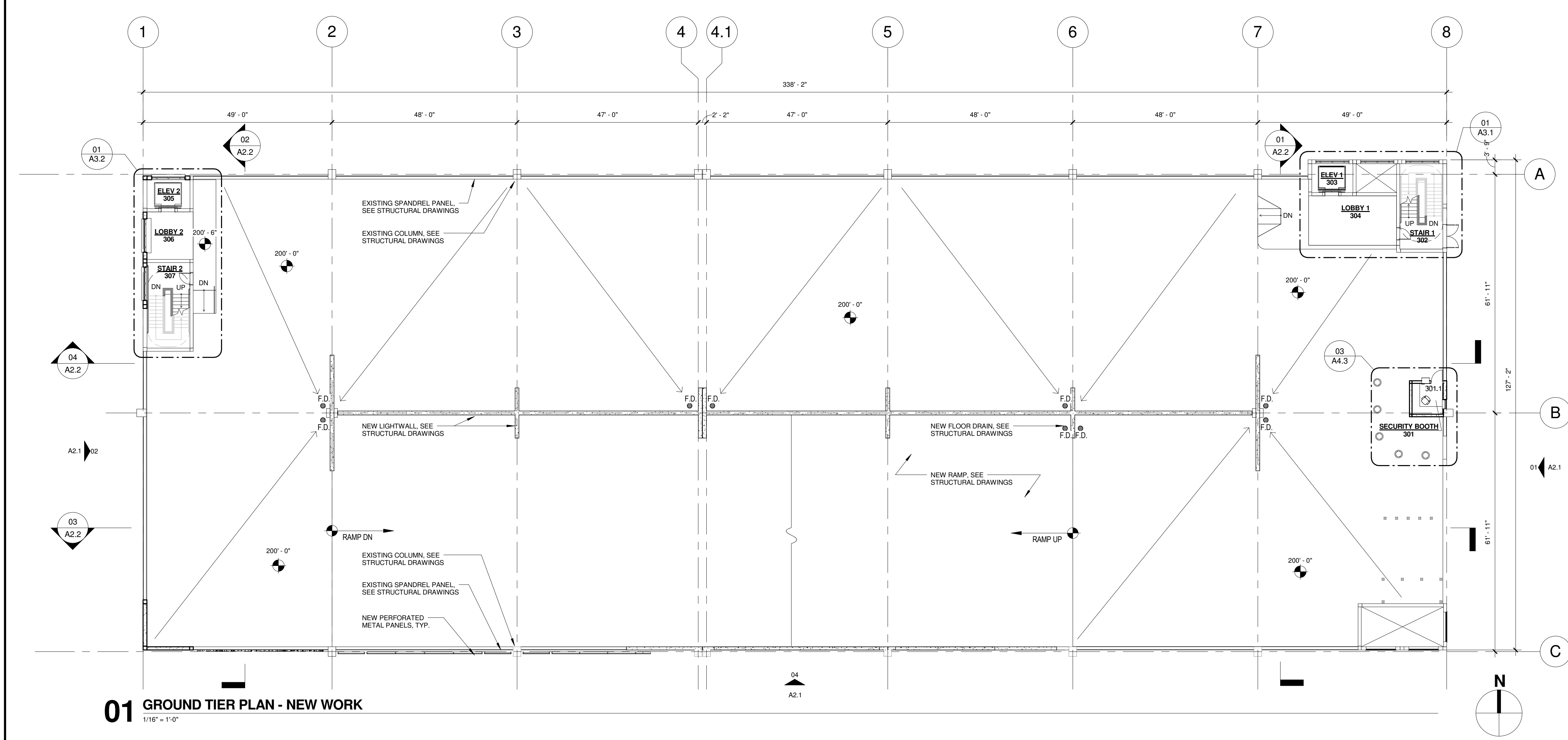
Project Title
VA MEDICAL CENTER EXPAND VISITOR/PATIENT PARKING GARAGE - PHASE 1
Location 50 IRVING ST. N.W. WASHINGTON, D.C.
Date 02/16/15
Checked GT
Drawn MC
Project Number 688-345
Building Number -
Drawing Number A0.5
Dwg. 17 of 89

Office of Construction and Facilities Management
 Department of Veterans Affairs

As indicated



three inches = one foot  
one and one half inches = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot  
one sixteenth inch = one foot



DEDUCT ALTERNATES (ALT.)

**DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS**  
BASE: Perforated metal screen with accent lighting as shown on the drawings.  
DEDUCT: Delete perforated metal screen and supporting structure as shown on Drawing(s) 05/A2.1 and 03/A2.2, delete accent lighting as shown on Drawing(s) 01/A2.4, 02/A2.4, 11/A5.2 and 02/E1.4

**DEDUCT ALT. #2 - ELEVATOR LOBBY UPGRADES**  
BASE: Elevator finishes as shown on the drawings.  
DEDUCT: Delete exposed aggregate finish on concrete floor as shown in Drawing(s) 01/A3.1, 01/A3.2, 04/A5.2 and 05/A5.2 and substitute smooth trowel finish, delete suspended metal ceilings as shown on Drawing(s) A4.1 and A4.2, provide substitute light fixtures as shown on future schedule E0.0 and Drawing(s) A4.1 and A4.2.

**DEDUCT ALT. #3 - SITE IMPROVEMENTS**  
BASE: All site work shown on the drawings.  
DEDUCT: Provide only the site work shown on Drawing(s) 01/CS3.1 and CS3.2.

**DEDUCT ALT. #4 - LANDSCAPE AND SITE FURNISHINGS**  
BASE: All landscape work and site furnishings shown on the drawings.  
DEDUCT: Provide only the landscape work and site furnishings shown on Drawing(s) 01/LP7.0 and LP7.1.

**DEDUCT ALT. #5 - AUTOMATIC DOOR OPENING DEVICES**  
BASE: All automatic door opening devices shown on the drawings and hardware schedule.  
DEDUCT: Provide manual door closer as specified in Spec Section (s) 087100. Delete electrical feeds shown on Drawing(s) 01/E2.1, 01/E2.4 and 02/E2.4.

**DEDUCT ALT. #6 - CARD READERS**  
BASE: All card readers shown on the drawings and hardware schedule.  
DEDUCT: Provide manual door locks/latches as specified in Spec Section(s) 087100. Delete electrical feeds shown on Drawing(s) 02/E2.2, 01/E2.4 and 02/E2.2.

**DEDUCT ALT. #7 - BARRIER CABLE SYSTEM**  
BASE: Barrier cable system as shown on the drawings.  
DEDUCT: Delete barrier cables at exterior openings as shown on Drawing(s) A2.1, A2.2 and 03/A2.4.

**DEDUCT ALT. #8 - CRASH BARRIER, BOLLARDS AND SECURITY GATES**  
BASE: All crash barriers, bollards, and security gates shown on the drawings.  
DEDUCT: Delete all crash barriers, bollards, and security gates shown on Drawing(s) 01/CS3.0, 04/LP7.1 and 05/LP7.1.

**DEDUCT ALT. #9 - SITE FENCING**  
BASE: All site fencing shown on the drawings.  
DEDUCT: Delete all site fencing shown on Drawing(s) 01/CS3.0 and 08/LP7.1.

**DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING**  
BASE: All cable type barrier fencing shown on the drawings.  
DEDUCT: Provide chain link barrier fencing shown on Drawing(s) S2.1 and 06/S3.3.

**DEDUCT ALT. #11 - SECURITY CAMERAS**  
BASE: Security cameras as shown on the drawings.  
DEDUCT: Delete security cameras and accessories (conduit, junction boxes, and power) shown on Drawing(s) E3.3, E3.4 and 02/E3.5.

**DEDUCT ALT. #12 - LED LIGHTING**  
BASE: LED lighting as shown on the drawings.  
DEDUCT: Provide substitute light fixtures as shown on future schedule E0.0 and as shown on Drawing(s) E1.4, E1.5 and E1.6.

**DEDUCT ALT. #13 - SECURITY BOOTH**  
BASE: Security booth as shown on the drawings.  
DEDUCT: Delete security booth and furnishings shown on Drawing(s) A4.3, 02/E1.4, 03/E2.2 and 01/E2.3.

**DEDUCT ALT. #14 - PARKING TIERS**  
BASE: 2-1/2 new tiers parking tiers as shown on the drawings.  
DEDUCT: Delete 1/2 tier and connecting ramp as shown on Drawing(s) 02/A1.2, 02/A1.6, A2.1, A2.2, 01/S1.5, 02/M1.3, 02/P1.3, 03/P1.3, 02/E1.6, 02/E2.4 and 02/E2.4.

**PLAN LEGEND**

⊗ PIPE BOLLARD, SEE DETAIL 02/A1.3

○ PIC BOLLARD, SEE DETAIL 03/A1.3

● FLOOR DRAIN, SEE STRUCTURAL

→ FLOOR SLOPE, SEE STRUCTURAL

**LINE TYPE LEGEND**

— EXISTING CONDITIONS

— NEW CONSTRUCTION

4	100% Submission	02/16/15
3	95% Submission	08/28/14
2	65% Submission	08/07/14
1	35% Submission	04/15/14
Revisions:		Date

CONSULTANTS:		
<b>ARCHITECT</b> Melville Thomas Architects, Inc. 600 Wyndhurst Avenue, Suite 315 Baltimore, MD 21210	<b>PARKING CONSULTANT</b> Tim Haas & Associates, Inc. 5500 Stenett Place, Suite 100 Columbia, MD 21044	<b>COST ESTIMATOR</b> DMS Construction Consulting Services, Inc. 5550 Stenett Place, Suite 300 Columbia, MD 21044
<b>STRUCTURAL ENGINEER</b> Tim Haas & Associates, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422	<b>MEP ENGINEER</b> DCS Infrastructure, Inc. 936 Ridgely Road Medford, NY 11763	<b>CIVIL ENGINEER</b> KCI Technologies, Inc. 550 Township Line Road, Suite 100 Blue Bell, PA 19422

SEAL:

**ARCHITECT/ENGINEERS:**

**Melville Thomas Architects, Inc.**  
ARCHITECTURE & PLANNING




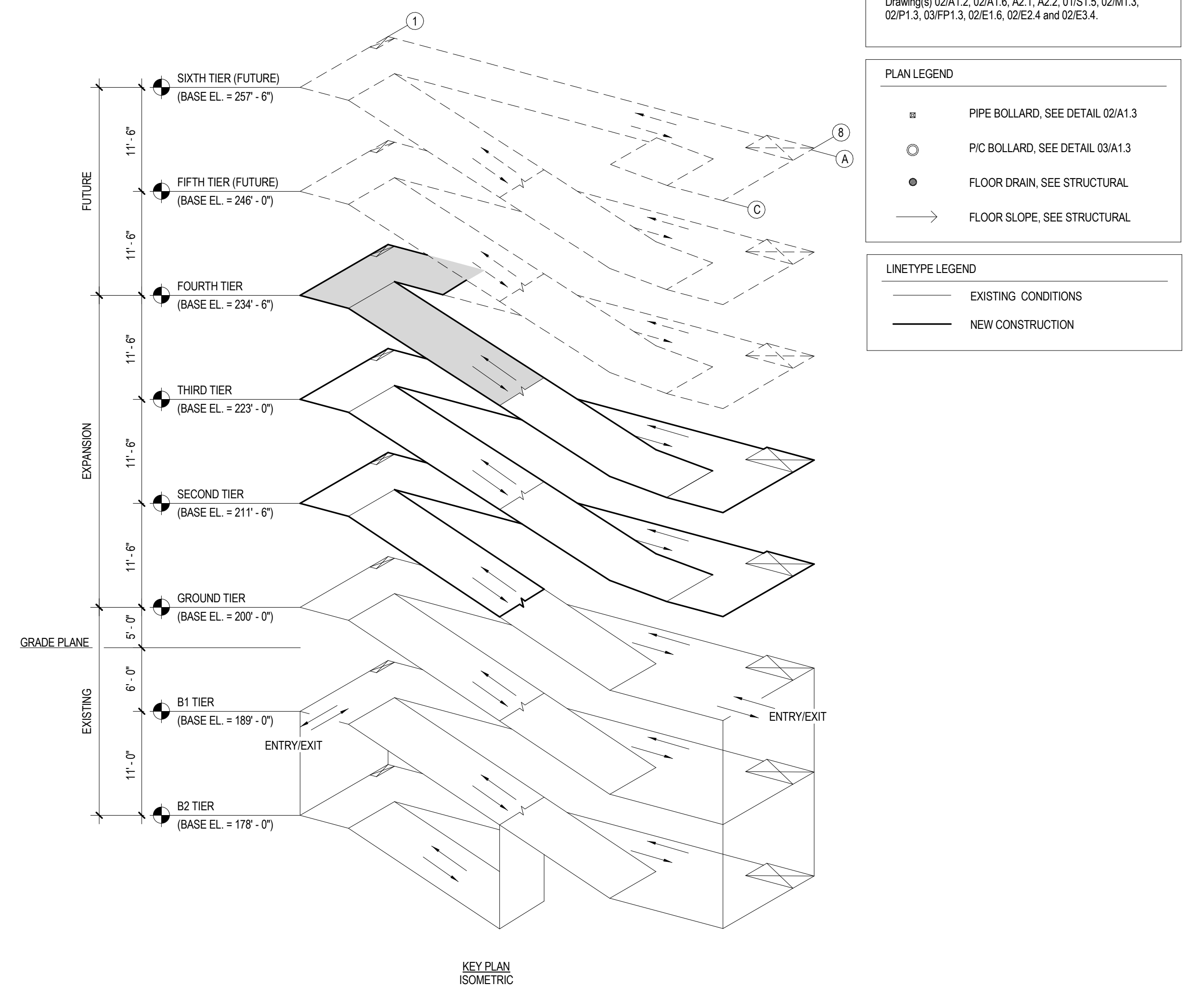
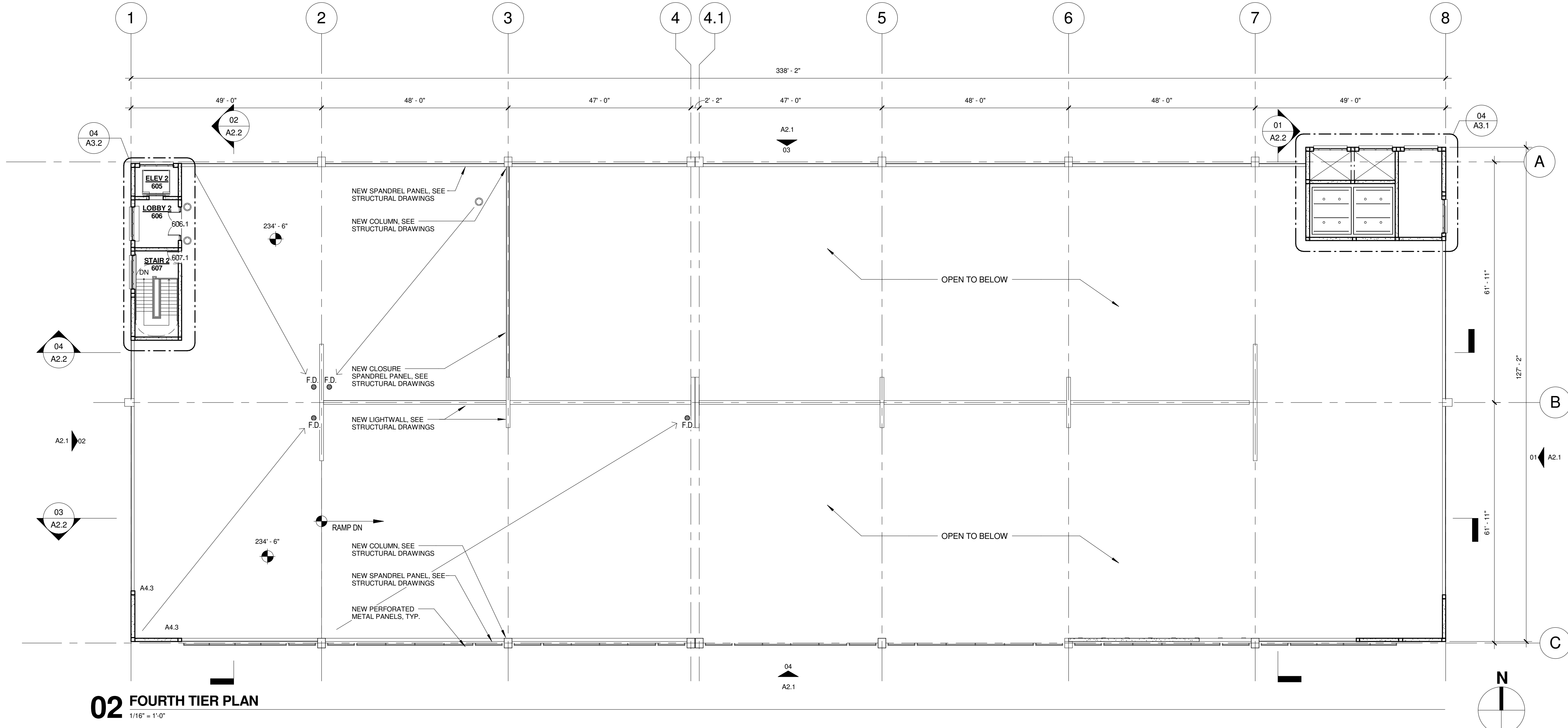
400 Wyndhurst Ave., Suite 315 Baltimore, MD 21210  
T: 410.433.4400 F: 410.433.4719  
www.mtarx.com

Drawing Title <b>GROUND &amp; SECOND TIER PLANS - NEW WORK</b>	
Approved: Project Director - - -	

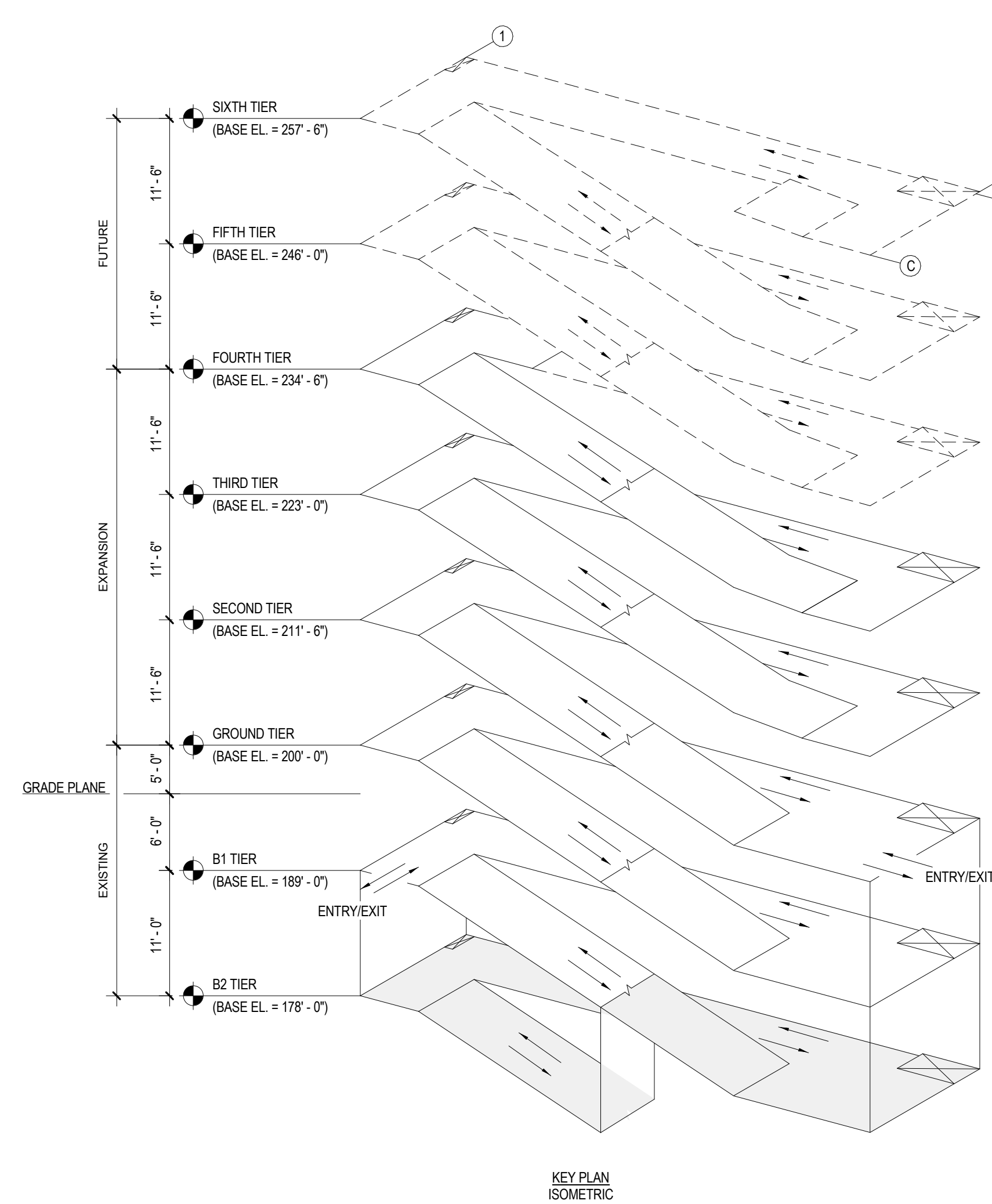
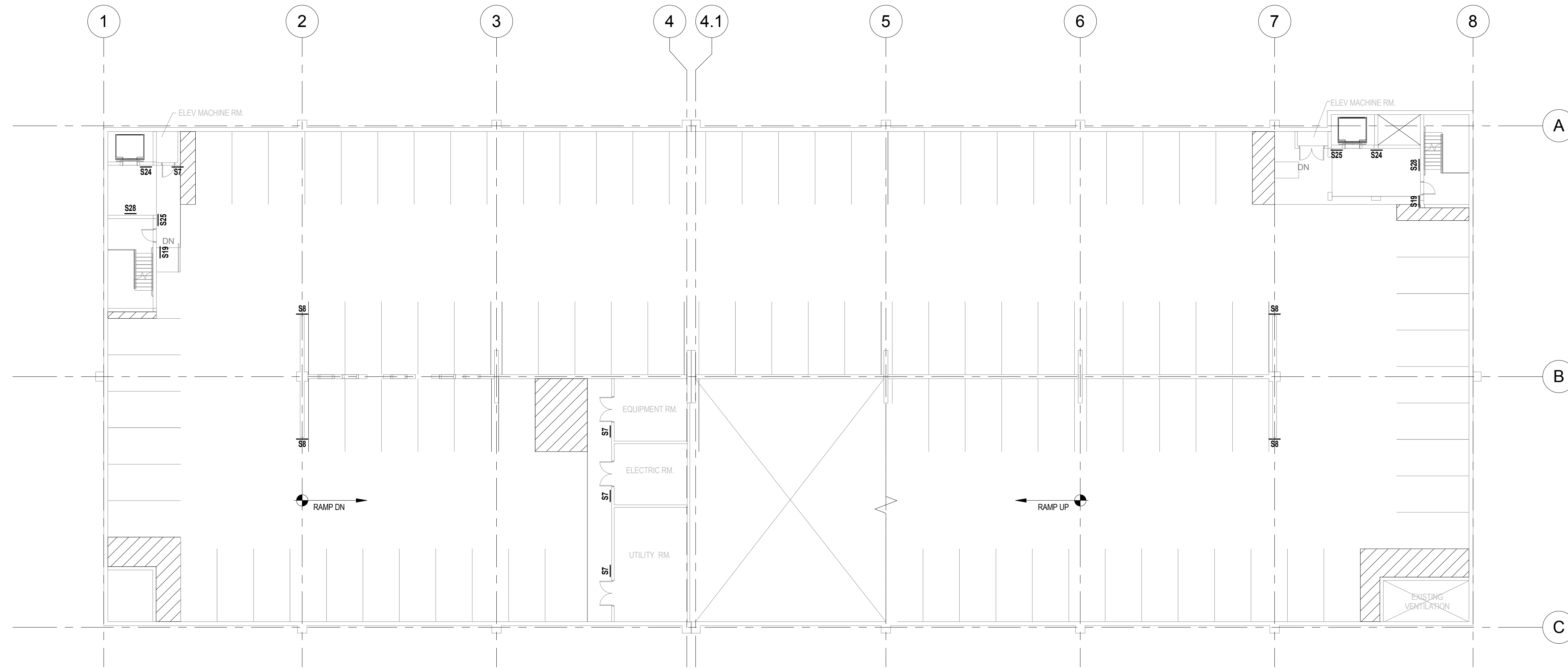
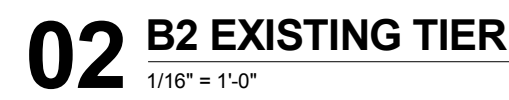
Project Title <b>VA MEDICAL CENTER EXPAND VISITOR/PATIENT PARKING GARAGE - PHASE 1</b>		Project Number 688-345	
Location 50 IRVING ST. N.W. WASHINGTON, D.C.		Building Number -	
Date 02/16/15	Checked GT	Drawn MC	Drawing Number <b>A1.1</b>
		Dwg. 18 of 89	

Office of  
Construction  
and Facilities  
Management

 Department of  
Veterans Affairs

[illegible]



VA FORM 08-6231







01 SECOND TIER STRIPING PLAN

1/16" = 1'-0"

02 TYPICAL FLOOR ARROW DETAIL

1/4" = 1'-0"

DEDUCT ALTERNATES (ALT.)

**DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS**  
BASE: Perforated metal screen with accent lighting as shown on the drawings.  
DEDUCT: Delete perforated metal screen and supporting structure as shown on Drawings(0) 01A2.1 and 01A2.2, delete accent lighting as shown on Drawings(0) 01A2.4, 02A2.4, 11A2.2 and 02E1.4

**DEDUCT ALT. #2 - ELEVATOR LOBBY UPGRADES**  
BASE: Elevator finishes as shown on the drawings.  
DEDUCT: Delete exposed aggregate finish on concrete floor as shown in Drawing(s) 01A3.1, 01A3.2, 04A5.2 and 05A5.2 and substitute smooth trowel finish, delete suspended metal ceilings as shown on Drawing(s) A4.1 and A4.2, provide substitute light fixtures as shown on future schedule E0.0 and Drawing(s) A4.1 and A4.2

**DEDUCT ALT. #3 - SITE IMPROVEMENTS**  
BASE: All site work shown on the drawings.  
DEDUCT: Provide only the site work shown on Drawing(s) 01CS3.1 and CS3.2

**DEDUCT ALT. #4 - LANDSCAPE AND SITE FURNISHINGS**  
BASE: All landscape work and site furnishings shown on the drawings.  
DEDUCT: Provide only the landscape work and site furnishings shown on Drawing(s) 01LP7.0 and LP7.1

**DEDUCT ALT. #5 - AUTOMATIC DOOR OPENING DEVICES**  
BASE: All automatic door opening devices shown on the drawings and hardware schedule.  
DEDUCT: Provide manual door closer as specified in Spec Section(s) 087100. Delete electrical feeds shown on Drawing(s) 01E2.1, 01E2.4 and 02E2.4

**DEDUCT ALT. #6 - CARD READERS**  
BASE: All card readers shown on the drawings and hardware schedule.  
DEDUCT: Provide manual door locklatches as specified in Spec Section(s) 087100. Delete electrical feeds shown on Drawing(s) 02E2.2, 01E2.4 and 02E3.2

**DEDUCT ALT. #7 - BARRIER CABLE SYSTEM**  
BASE: Barrier cable system as shown on the drawings.  
DEDUCT: Delete barrier cables at exterior openings as shown on Drawing(s) A2.1, A2.2 and 06A2.4

**DEDUCT ALT. #8 - CRASH BARRIER, BOLLARDS AND SECURITY GATES**  
BASE: All crash barriers, bollards, and security gates shown on the drawings.  
DEDUCT: Delete all crash barriers, bollards, and security gates shown on Drawing(s) 01CS3.0, 04LP7.1 and 05LP7.1

**DEDUCT ALT. #9 - SITE FENCING**  
BASE: All site fencing shown on the drawings.  
DEDUCT: Delete all site fencing shown on Drawing(s) 01CS3.0 and 08LP7.1

**DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING**  
BASE: All cable type barrier fencing shown on the drawings.  
DEDUCT: Provide chain link barrier fencing shown on Drawing(s) 02.1 and 06S3.3

**DEDUCT ALT. #11 - SECURITY CAMERAS**  
BASE: Security cameras as shown on the drawings.  
DEDUCT: Delete security cameras and appurtenances (conduit, junction boxes, and power) shown on Drawing(s) E3.3, E3.4 and 02E3.5

**DEDUCT ALT. #12 - LED LIGHTING**  
BASE: LED lighting as shown on the drawings.  
DEDUCT: Provide substitute light fixtures as shown on future schedule E0.0 and as shown on Drawing(s) E1.4, E1.5 and E1.6

**DEDUCT ALT. #13 - SECURITY BOOTH**  
BASE: Security booth as shown on the drawings.  
DEDUCT: Delete security booth and appurtenances shown on Drawing(s) A4.3, 02E1.4, 03E2.2 and 01E2.3

**DEDUCT ALT. #14 - PARKING TIERS**  
BASE: 2-1/2 new tiers parking tiers as shown on the drawings.  
DEDUCT: Delete 1/2 tier and connecting ramp as shown on Drawing(s) 02A1.2, 02A1.6, A2.1, A2.2, 01S1.5, 02M1.3, 02P1.3, 03FP1.3, 02E1.6, 02E2.4 and 02E3.4

NOTE:

SEE SHEET A6.1 AND A6.2 FOR SIGNAGE DETAILS

PLAN LEGEND

- PIC BOLLARD, SEE DETAIL 02A1.4  
ACCESSIBLE PARKING SPACE  
4" WIDE STRIPES PAINTED @ 1'-5" O.C.  
PAINTED FLOOR ARROW, SEE DETAIL 02A1.5

4	100% Submission	2/16/15
3	95% Submission	8/28/14
2	65% Submission	8/07/14
1	35% Submission	4/15/14
Revisions:		Date

CONSULTANTS:

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**PARKING CONSULTANT**  
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**TimHaas**

Drawing Title  
**SECOND TIER STRIPING PLAN - NEW WORK**

Approved: Project Director  
-  
-  
-

Project Title  
**VA MEDICAL CENTER  
EXPAND VISITOR/PATIENT  
PARKING GARAGE - PHASE 1**

Location  
**50 IRVING ST. N.W. WASHINGTON, D.C.**  
Date  
02/16/15

Checked  
NCA

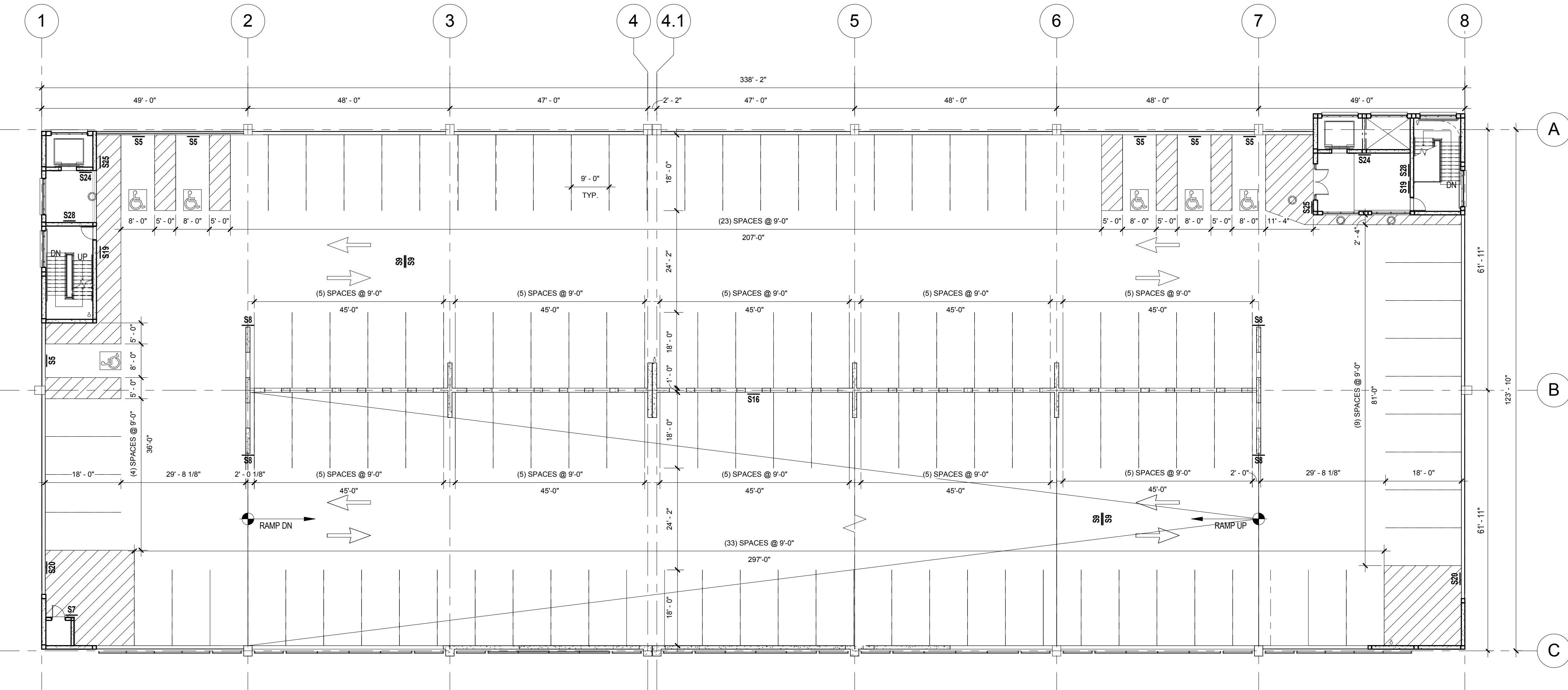
Drawn  
MRC

Project Number  
688-345  
Building Number  
-  
Drawing Number  
**A1.5**  
Dwg. 22 of 89

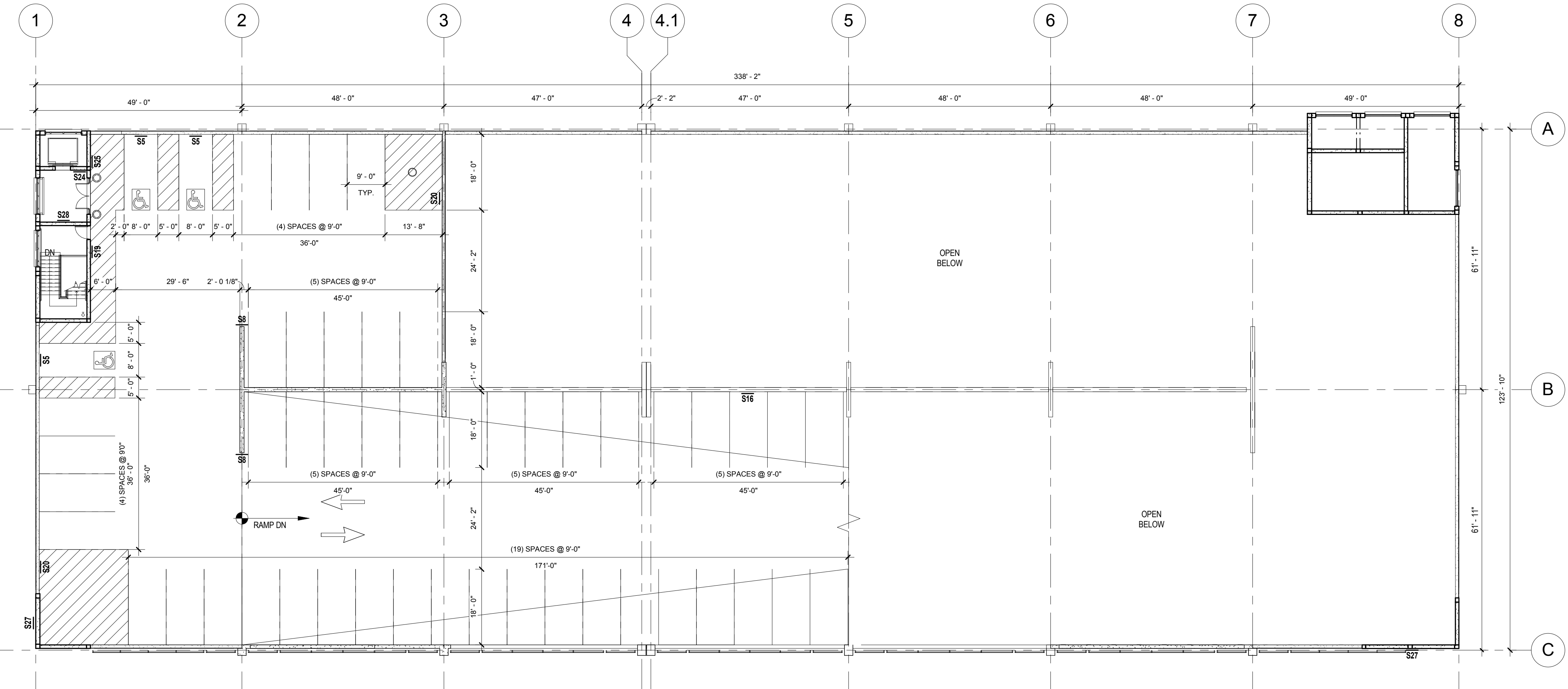
Office of  
Construction  
and Facilities  
Management

Department of  
Veterans Affairs

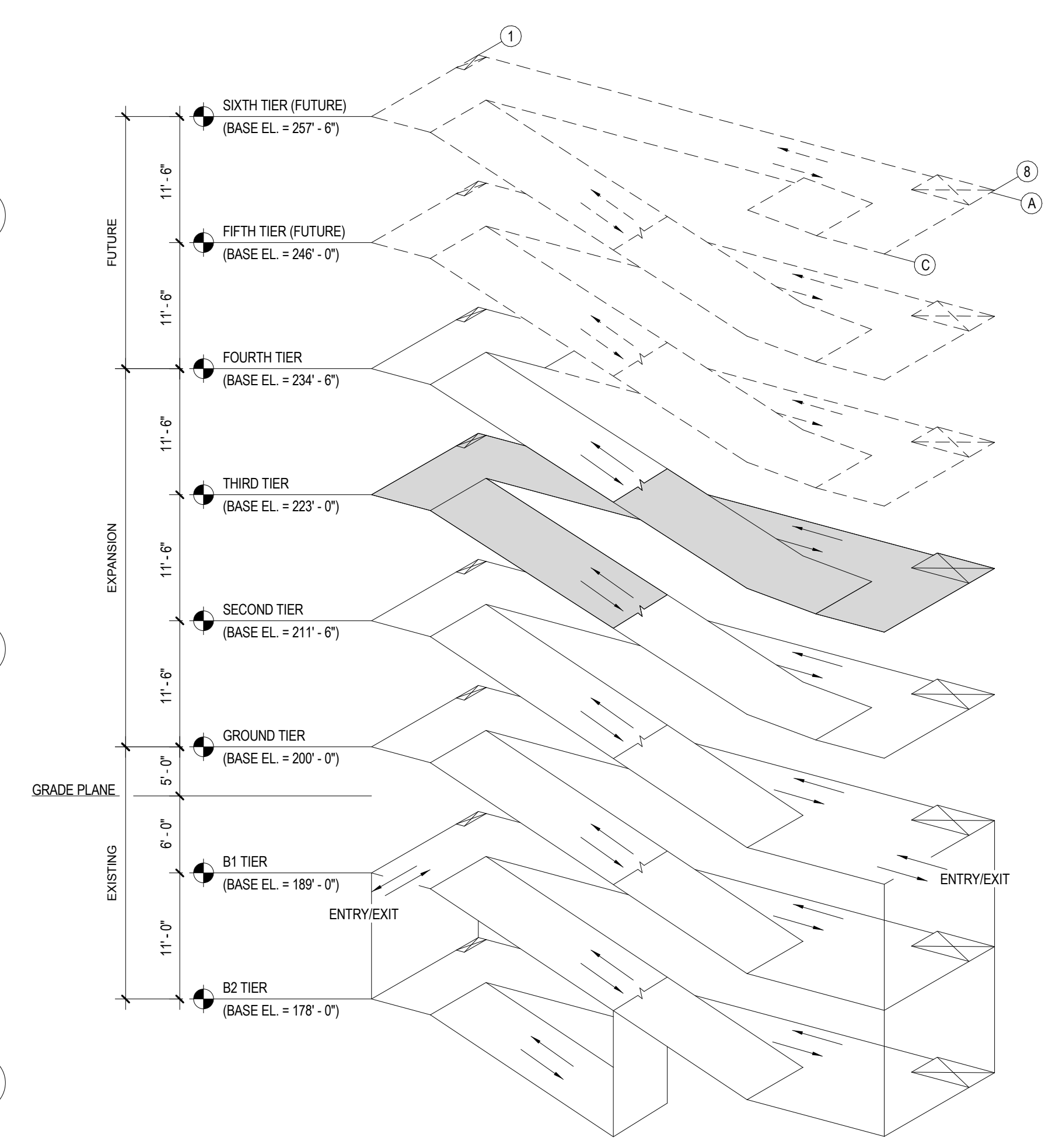




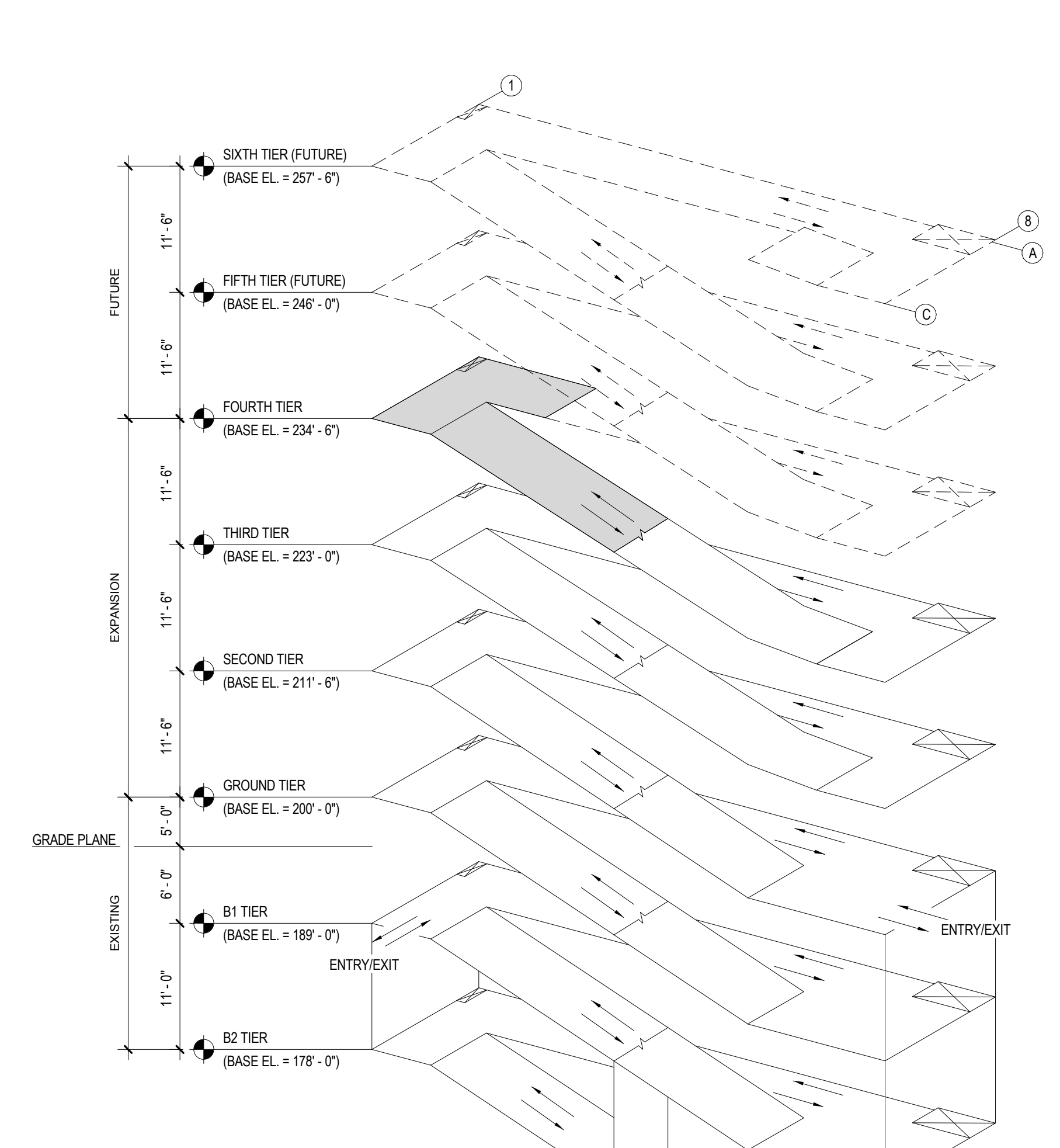
01 THIRD TIER STRIPING PLAN  
1/16" = 1'-0"



02 FOURTH TIER STRIPING PLAN  
1/16" = 1'-0"



KEY PLAN ISOMETRIC



KEY PLAN ISOMETRIC

- DEDUCT ALTERNATES (ALT.)
- DEDUCT ALT. #1 - PERFORATED METAL SCREEN WALLS  
BASE: Perforated metal screen with accent lighting as shown on the drawings.  
DEDUCT: Delete perforated metal screen and supporting structure as shown on Drawings(s) 05A2.1 and 03A2.2, delete accent lighting as shown on Drawings(s) 01A2.4, 02A2.4, 11A2.2 and 02E1.4.
- DEDUCT ALT. #2 - ELEVATOR LOBBY UPGRADES  
BASE: Elevator finishes as shown on the drawings.  
DEDUCT: Delete exposed aggregate finish on concrete floor as shown in Drawings(s) 01A3.1, 01A3.2, 04A5.2 and 05A5.2 and substitute smooth trowel finish, delete suspended metal ceilings as shown on Drawings(s) A4.1 and A4.2, provide substitute light fixtures as shown on future schedule E0.0 and Drawings(s) A4.1 and A4.2.
- DEDUCT ALT. #3 - SITE IMPROVEMENTS  
BASE: All site work shown on the drawings.  
DEDUCT: Provide only the site work shown on Drawings(s) 01C3.1 and C3.2.
- DEDUCT ALT. #4 - LANDSCAPE AND SITE FURNISHINGS  
BASE: All landscape work and site furnishings shown on the drawings.  
DEDUCT: Provide only the landscape work and site furnishings shown on Drawing(s) 01LP7.0 and LP7.1.
- DEDUCT ALT. #5 - AUTOMATIC DOOR OPENING DEVICES  
BASE: All automatic door opening devices shown on the drawings and hardware schedule.  
DEDUCT: Provide manual door closer as specified in Spec Section(s) 087100. Delete electrical feeds shown on Drawings(s) 01E2.1, 01E2.4 and 02E2.4.
- DEDUCT ALT. #6 - CARD READERS  
BASE: All card readers shown on the drawings and hardware schedule.  
DEDUCT: Provide manual door locklatches as specified in Spec Section(s) 087100. Delete electrical feeds shown on Drawings(s) 02E2.2, 01E2.4 and 02E3.2.
- DEDUCT ALT. #7 - BARRIER CABLE SYSTEM  
BASE: Barrier cable system as shown on the drawings.  
DEDUCT: Delete barrier cables at exterior openings as shown on Drawing(s) A2.1, A2.2 and 06A2.4.
- DEDUCT ALT. #8 - CRASH BARRIER, BOLLARDS AND SECURITY GATES  
BASE: All crash barriers, bollards, and security gates shown on the drawings.  
DEDUCT: Delete all crash barriers, bollards, and security gates shown on Drawings(s) 01C3.0, 04LP7.1 and 05LP7.1.
- DEDUCT ALT. #9 - SITE FENCING  
BASE: All site fencing shown on the drawings.  
DEDUCT: Delete all site fencing shown on Drawings(s) 01C3.0 and 06LP7.1.
- DEDUCT ALT. #10 - INTERIOR GARAGE BARRIER FENCING  
BASE: All cable type barrier fencing shown on the drawings.  
DEDUCT: Provide chain link barrier fencing shown on Drawings(s) S2.1 and 06S3.3.
- DEDUCT ALT. #11 - SECURITY CAMERAS  
BASE: Security cameras as shown on the drawings.  
DEDUCT: Delete security cameras and appearances (conduit, junction boxes, and power) shown on Drawings(s) E3.3, E3.4 and 02E3.5.
- DEDUCT ALT. #12 - LED LIGHTING  
BASE: LED lighting as shown on the drawings.  
DEDUCT: Provide substitute light fixtures as shown on future schedule E0.0 and as shown on Drawings(s) E1.4, E1.5 and E1.6.
- DEDUCT ALT. #13 - SECURITY BOOTH  
BASE: Security booth as shown on the drawings.  
DEDUCT: Delete security booth and appearances shown on Drawings(s) A4.3, 02E1.4, 03E2.2 and 01E2.3.
- DEDUCT ALT. #14 - PARKING TIERS  
BASE: 2/10 new tiers parking tiers as shown on the drawings.  
DEDUCT: Delete 1/2 tier and connecting ramp as shown on Drawing(s) 02A1.2, 02A1.6, A2.1, A2.2, 01S1.5, 02M1.3, 02P1.3, 03FF1.3, 02E1.6, 02E2.4 and 02E3.4.
- NOTE:  
SEE SHEET A6.1 AND A6.2 FOR SIGNAGE DETAILS
- PLAN LEGEND  
○ PIC BOLLARD, SEE DETAIL 02A1.4  
□ ACCESSIBLE PARKING SPACE  
▨ 4" WIDE STRIPES PAINTED @ 1'-6" O.C.  
➡ PAINTED FLOOR ARROW, SEE DETAIL 02A1.5

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